


ANDOVER



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www.andover.edu

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Welcome to Andover. For information about our school in Spanish and Chinese, please call 978-749-4043.

Bienvenido(a) a Andover! Si desea más información en español sobre nuestro colegio, por favor marque el siguiente número: 978-749-4043.

欢迎来安多福！

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CATALOG FOR ANDOVER



PART ONE: WELCOME TO ANDOVER	9
Greeting—Barbara Landis Chase, <i>Head of School</i>	10
Introduction—Jane Foley Fried, <i>Dean of Admission</i>	14
Statement of Purpose	17
History—Jean St. Pierre, <i>Instructor Emerita in English and Theatre</i>	19
An Overview [campus, resources, faculty, students, clusters]	24



PART TWO: UNIQUE CAMPUS RESOURCES	33
The Addison Gallery of American Art	33
The Oliver Wendell Holmes Library	35
The Robert S. Peabody Museum of Archaeology	36
The Brace Center for Gender Studies	36
The Moncrieff Cochran Sanctuary	37



RESOURCES IN TECHNOLOGY	37
The Phillips Academy Computer Center	38
The Frances Young Tang Theatre	38
The Audio Visual Center and Kemper Auditorium	38
The Polk-Lillard Center for Video and Electronic Imaging	39
The Language Learning Center	39
The William B. Clift Jr. Record Library	39



PART THREE: THE ANDOVER EDUCATION	41
The Faculty	41
The Academic Program	46
Academic Departments	52
Advising and Support Systems	72
College Counseling	73
Off-Campus Programs	74
Summer Programs	75



PART FOUR: STUDENT LIFE	83
Introduction	83
Residential Life	85
Clusters	85
Dormitories	85

Ninth-Graders: Juniors	86
Residential Education and Support	87
Isham Health Center	87
Graham House Counseling Center	88
The Campus Ministry	88
Rules and Discipline	88
Office of Community and Multicultural Development	89
Daily Life	90
Homework	90
Weekends	91
Dress Code	91
Meals	91
Daily Schedule	92
Extracurricular Activities	94



PART FIVE: ATHLETICS	101
Introduction and Program	101



PART SIX: THE ARTS	107
Introduction and Program	107



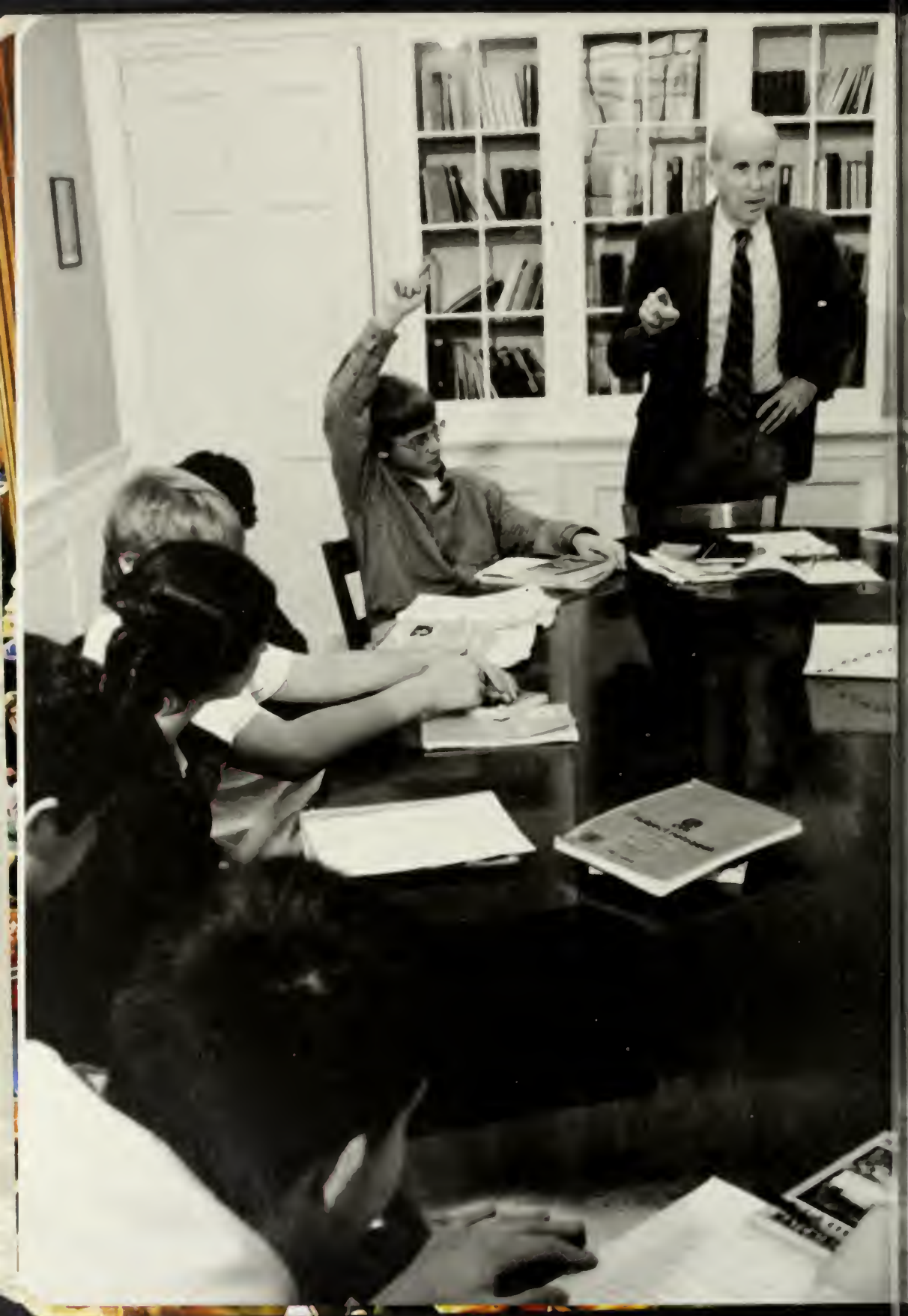
PART SEVEN: COMMUNITY SERVICE	113
Introduction and Program	113



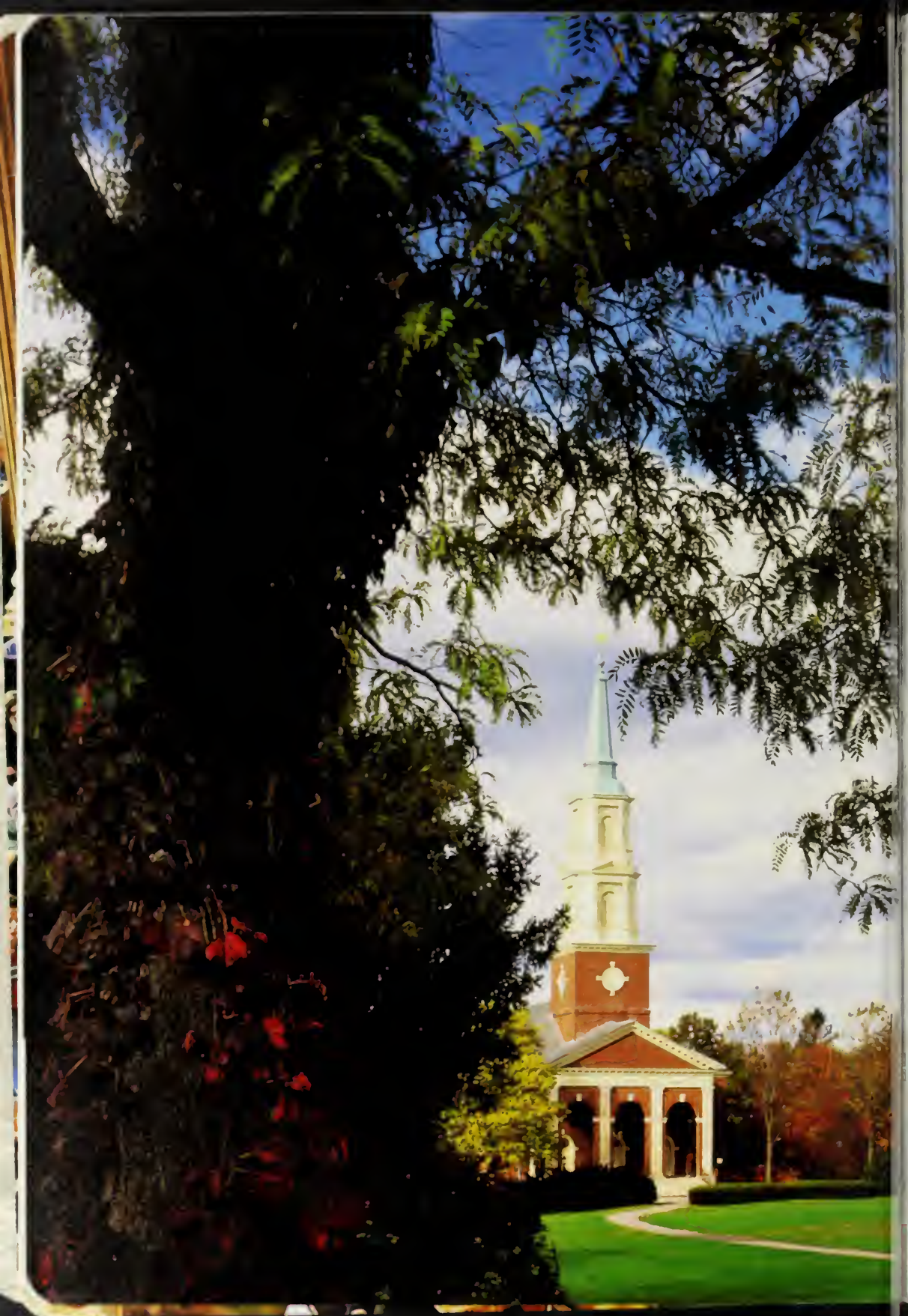
PART EIGHT: ADMISSION, FINANCIAL AID AND COMMUNITY INFORMATION	123
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Application Procedures	123
School Costs and Affordability	126
Financial Aid and Financial Planning	127
Alumni Admission Representatives	131
Parent Network	143
College Matriculation	153
Student Geographical Distribution	154
Trustees, Administrators, Faculty, Faculty Emeriti	157
Regional Map & Travel Information	176
Index	188
Part One of the Application	<i>back cover pocket</i>
Campus Map	<i>back cover pocket</i>
Special Interest Form	<i>back cover pocket</i>







PART ONE: WELCOME TO ANDOVER



9

"I heard this absolutely wonderful story about a young man from a rural area in Oregon, Jeremy Kurzyniec, whose seventh-grade teacher noticed how bright and capable he was, and how interested in learning. The teacher followed Jeremy's progress, told him and his parents about Andover, and helped get Jeremy an application. It turns out the teacher was an Andover graduate, as were his father and grandfather.

"Meanwhile, in East Los Angeles, a school counselor was impressed in much the same way with a student named Diana Lopez. Diana's family, though, didn't want her to go to a school so far away from home. But the family listened to the counselor and visited Andover, and after a day or two on campus, Diana's father said, 'OK. Now I want to go too.' Diana loves languages. She's studied Spanish and now Italian. I think about the diversity in just those two students, who had never heard of this place—and the impact of two teachers who care about young people."

—Barbara Landis Chase, Head of School

"I chose Andover because I wanted a challenge. I live in a small town in Montana. At home I was the top student in all my classes without working, but I wasn't learning much. I wanted to set my sights higher."

—Isaac Oppen '06, Lewistown, Mont.

CAREER OPPORTUNITIES FOR STUDENTS OF ANDOVER

Barbara Landis Chase



In our contemporary world, there are few places that provide a strong sense of community to the people who live and work in them. Phillips Academy students and faculty have found just such a place. The author John Gardner writes,

"The traditional community could boast generations of history and continuity. Only a few communities today can hope to enjoy any such heritage." Andover's 227 year history creates the kind of continuity that is, indeed, rare in American secondary schools or in institutions of any kind. We invite you to experience our community as you come to know Andover through the process of applying for admission.

Andover was founded during the American Revolution on the principle that it would be open to "Youth from every quarter" and with the motto *non sibi*, which means "not for one's self." These ideals have created a shared culture of respect for and service to others that has endured for two centuries. Today, a \$9.7 million financial aid budget helps to make those ideals a reality. Students at Andover do indeed come "from every quarter" of the globe and of society. They come together to immerse themselves in activities that are not available at most other secondary schools: Students may study Chinese, organic chemistry or architecture, for example, or they may participate in world-class math competitions, manage an online radio station, perform in a jazz band or act in a theatre production under the direction of a Broadway playwright. In all these endeavors, Andover students are guided by faculty members

who are extremely talented and productive in their fields of expertise. They are athletes, poets, scientists, musicians, authors, linguists, historians, mathematicians and, above all, mentors to their students.

In recent years, Andover has been working to develop its programs in student support to ensure students get the most out of our rich academic and extracurricular offerings. We have reduced the size of the school and we have built faculty apartments in a number of larger dormitories to lower the residential student-teacher ratio from 20:1 to 12:1. We have adjusted the daily schedule to allow each course one double class period each week and to allow more time for advising. We have bolstered the development of reading and writing skills by restructuring the ninth- and 10th-grade programs, and, at the same time, teachers have been collaborating on new interdisciplinary courses that offer exciting opportunities for the cross-pollination of ideas. Underpinning the academic and residential life at Andover is an intentionally redundant network of overlapping policies, programs and services that provide psychological, medical and spiritual support for the developing adolescent.

I join the entire community in welcoming you to Phillips Academy. Some of you will spend time on campus, while others may come to know the school only through this catalog and an interview with a representative alumnus or alumna, but all of you will become, for a moment at least, an important part of the school and its long tradition. Welcome.



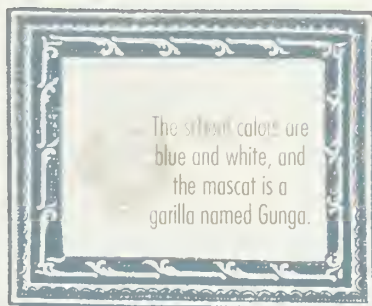
"The non-sibi (Not for self) attitude and motto at Phillips Academy represent more than just a saying or a phrase; they describe a way of life that everyone comes to embrace and accept. You know there is always someone to help you and that everyone cares for you just as you care for them."

—Winston Shaw '05, Chicago, Ill.



"The most difficult transition for me was leaving my family to come to Andover. However, the minute I walked into my new dorm, I was greeted by prefects who genuinely wanted to make me feel at home and by 35 other girls who were in exactly the same situation I was. None of us knew each other and everyone was eager to make new friends."

—Victoria VanStekelenburg '05, Greensboro, Ga.



INTRODUCTION

Jane Foley Fried, *Dean of Admission*



Applying to secondary school can be quite an adventure as you study the schools that interest you and embark on an admission process in which you will be asked to write and talk about yourself. What will you write? Who are you now?

You know the things you have accomplished so far—the academic classes you have taken, the service you have performed in your community, the sport or art you've worked at so hard, the moments when your family needed you and you gave of yourself. But what of the future? The admission process will give you a chance to celebrate who you are, but it will challenge you to think about who you may yet become. What are your needs, and what are your desires? What are your current interests, and what might just interest you that you have never even considered before? Do you have dreams, and where can you reach them?

If you are going to leave your home or your hometown school for a boarding school, you will want to choose a school that meets your needs and desires and that you will not outgrow, but that will grow with you through your high school years.

We are delighted you have taken an interest in Andover. This historic school is known for the breadth and depth of its curriculum and co-curriculum and for the enormous variety of experiences we offer. The faculty and students here have gathered from cities and suburbs and tiny towns and villages all over this country and the world in order to pursue their dreams together. Our campus is large, but the cluster system of neighborhoods provides the support found in schools a quarter of our size.

HISTORIC TIMELINE

The town of Andover
Massachusetts is
incorporated in 1646

On April 21 1778
Phillips Academy is
founded for boys by
26-year-old Samuel
Phillips Jr. Phillips
Academy at the outset
accepted boys of varying
ages and first enrolled 13
students. The Phillips



Academy Constitution
states that the students
must be able to read
English to be admitted.

In Phillips Academy's first
class of 1778 is six-year-
old Josiah Quincy, who
grew up to be the mayor
of Boston and president of
Harvard.

In 1780 8 a.m.
devotional exercises are
required of all students

Andover is a coeducational boarding school for students in grades nine through 12 and postgraduates. We welcome approximately 200 ninth-graders, 70 10th-graders, 20 11th-graders, and 30 one-year seniors (12th-graders and postgraduates) each year. The admission process begins with filling out the Candidate Statement, Part One of the application located in the pocket at the back of the catalog or online at www.andover.edu. (Click on admission and select the Candidate Statement, Part One of the application.)

Andover is a unique school, and this catalog is unique as well. From the voices of the faculty and students and the resources of the academy's archives and museums, we've created text, graphics and also a timeline, beginning on the previous page, of notable moments in the school's history. The companion *Course of Study* describes our 300 academic courses in detail. Together, these documents should give you a good sense of Andover's rich history, exceptional program and community spirit. We take great pleasure in introducing you to Andover as we anticipate the great pleasure of learning more about you.

If you are able to come to campus for an interview, please visit us in the Shuman Admission Center. (See page 176 for directions.)

ANDOVER

The school's name is Phillips Academy,
but most people call it Andover,
the name of the picturesque town
in northeastern Massachusetts in
which the school is located.



A year after Harvard does, Andover adds French to the curriculum in 1781.

In 1781, Phillips Exeter Academy is founded by John Phillips, Samuel Phillips' uncle.

Paul Revere, known as the best craftsman of metals in Boston at the time, is commissioned in 1782 to

make the Phillips Academy Seal. Around the symbol of a rising sun and a hive of industrious bees, he engraves the educational faith of Andover's founders—"The end depends upon the beginning." The founders'

religious and patriotic commitment to the common good is symbolized by the second motto on the silver seal, *non sibi*, meaning "not for one's self."



STATEMENT OF PURPOSE



hillips Academy, a residential secondary school, seeks students of intelligence and integrity from diverse cultural, racial, socioeconomic and geographic backgrounds.

The school's residential structure enables faculty to support students in their personal, social and intellectual development. The academic program fosters excellence in all disciplines within the liberal arts tradition. Faculty members guide students in mastering skills, acquiring knowledge and thinking critically, creatively and independently. The school strives to help young people achieve their potential not only intellectually, but also artistically, athletically and morally, so that they may lead responsible and fulfilling lives.

The academy is committed to establishing a community that encourages people of diverse backgrounds and beliefs to understand and respect one another and to be sensitive to differences of gender, ethnicity, class and sexual orientation. In its programs, the school seeks to promote a balance of leadership, cooperation and service, together with a deeper awareness of the global community and the natural world.

Andover's 1778 Constitution charges the academy to prepare "Youth from every quarter" to understand that "goodness without knowledge is weak . . . yet knowledge without goodness is dangerous." This obligation challenges students in mind, body and spirit to see beyond themselves and to go beyond the familiar; to remain committed to developing what is finest in themselves and others, for others and themselves.

This revised version of the Statement of Purpose, voted by the faculty in winter 2000, reaffirms the academy's goals set forth in the Constitution of 1778.



17

In 1783, Howell Lewis, a Virginian, is one of the first adventurous students from outside of New England to attend Phillips Academy. He is the nephew of George Washington.



President George Washington stops at Phillips Academy in 1789 during his tour of New England. Washington addresses the school and holds an informal reception, which he attends on horseback.



ELPHALET PEARSON



And the road, weary & haggard, was down
 And the great Elphinstone, the great Elphinstone,
 Was down, but weary, but down, and haggard, was down!
 And the great Elphinstone, the great Elphinstone,
 Was down, but weary, but down, and haggard, was down!
 And the great Elphinstone, the great Elphinstone,
 Was down, but weary, but down, and haggard, was down!

he boys who took their places on the hard benches in the dinner's ship were not harassed by the intricacies of a complex curriculum, or by the problem of choosing among several optional courses. The schedule of work prepared by Preceptor Earnest included only Latin, Greek, a little - a very little - mathematics and some reading in religious treatises. "I complained of being obliged to get by heart passages from Cicero or Virgil. Intervention to the Latin language once or the other took place. Much of this as he confessed he was unable to understand."





Phillips Academy, founded in rural New England during the Revolutionary War, speaks today to the richness of many traditions and is testimony to the dreams and aspirations, viable still, of its founders. Although it has been coeducational only since 1973, the recognition of the importance of education for both young men and young women was present at the beginning.

In 1778, Samuel Phillips and his wife, Phebe, made a "bargain." If she would move from Cambridge to Andover to help him in establishing Phillips Academy, he would afterward join her in founding an academy for girls. And so the commitment was made and the educational endeavor begun.

On April 21, 1778, the *Constitution* of Phillips Academy was signed. Both Samuel and Phebe Phillips died before her dream of a girls' school could be realized, but not before the dream could be handed on to willing hearts. In 1828, Phillips Academy trustees and other Andover residents met with Mme. Sarah Abbot to plan the school that would open its doors on May 6, 1829, as Abbot Female Academy, one of the first schools in New England to be founded for young women.

Each school in the years that followed remained faithful to the commitments made in their constitutions: "to enlarge the minds and form the morals of the youth committed to its care." Each had a long and rich life and witnessed its students' growth, both in self-discovery and in service to others. And in 1973, Samuel and Phebe Phillips' bargain was realized anew as Phillips Academy and Abbot Academy merged and created a distinctive coeducational institution that combined the best of both traditions. "*Finis origine pendet*," the academy seal affirms. The end does indeed depend upon the beginning.

—Jean St. Pierre

Instructor in English and Theatre, Emerita

Abbot Academy

Phillips Academy



Eliphalet Pearson is Phillips Academy's first headmaster.

In 1789, the first scholarships from John Phillips are recorded "in consideration of further promoting the virtuous and pious education of Youth."



Samuel F.B. Morse, inventor of the telegraph and originator of the Morse Code, graduates in the Class of 1805.

In 1805 the initial instruction in writing, music and the rudiments of mathematics are required.











CAMPUS

Phillips Academy's 500-acre campus rolls across a hilltop in the town of Andover, Mass., about 21 miles north of Boston and about the same distance west of Salem, Gloucester and the sea. Elm-shaded paths crisscross campus lawns and quadrangles that lead to more than 150 buildings, including the Addison Gallery of American Art, the Oliver Wendell Holmes Library and the Robert S. Peabody Museum of Archaeology.

[A map of the campus can be found in the pocket at the back of the catalog.]

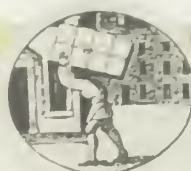
RESOURCES

The school's endowment of approximately \$505 million (as of June 30, 2003) supports student scholarships and tuition, maintenance of the campus, academic programs and the academy's faculty. Among the school's resources are 571 dormitory rooms, 95 classrooms, an astronomical observatory, more than 200 computers, a video and electronic imaging center, language and music laboratories, a licensed radio station, 24 extensive science laboratories and classrooms in the new Gelb Science Center, an 80-acre bird sanctuary, 35 art and music studios and practice rooms, a state-of-the-art theatre complex, three gymnasiums, a swimming pool, 18 playing fields, 18 tennis courts, two dance studios, an all-weather track, Phelps Stadium and two enclosed ice rinks that opened in 2002 and 2004.

In 1808 the Andover Theological Seminary is founded on property adjoining Phillips Academy



Headmaster John Adams adds the study of Thucydides and Herodotus to the curriculum in 1810



In 1811, William Goodell walks 60 miles from his home to attend Phillips Academy, carrying his trunk on his back

THE FACULTY

Andover has 212 full-time and part-time faculty members who hold, among them, 36 Ph.D. and 123 master's degrees. Extraordinarily talented in their fields of expertise, they are committed educators who offer guidance and support not only in the classroom, but in all aspects of their students' development, including athletic ability, social skills, multicultural awareness and ability to make moral decisions. Because classes average only 13 students and the school's overall student/faculty ratio is 6 to 1, Andover's talented faculty, 95 percent of whom live on campus, are able to guide their young students effectively.

STUDENTS: "YOUTH FROM EVERY QUARTER"

Andover's 1,087 students, equal numbers of boys and girls, come from approximately 45 states and from 30 countries, and each brings to campus a treasure of experiences and traditions to share. Of many different religions and cultures, the students are partners in a multicultural community that has been celebrating diversity for more than 200 years. Informally, in conversations on campus and simply by living and studying together, our students constantly teach each other about their backgrounds and cultures. Formally, the school's Office of Community and Multicultural Development sponsors dozens of lectures, films, special programs and cultural celebrations throughout the year.

About 10 percent of the student body is international.

Thirty-one percent of the student body is comprised of students of color.

About 40 percent of the student body receives need-based financial aid.

ACADEMICS

ANDOVER'S GRADES HAVE UNUSUAL NAMES.

9th-graders are called **juniors**. As the school's youngest members, juniors have a special academic and residential program designed to guide them successfully through their first year.

10th-graders are called **lower-middlers or lowers**. Lowers, too, have a special program, the Life Issues curriculum, a series of classes with topics ranging from peer relations to community work.

11th-graders are called **upper-middlers or uppers**.

12th-graders and postgraduates are **seniors**.

Much could I tell you that you know too well;
Much I remember, but I will not tell;
Age brings experience; graybeards oft are wise,
But ah! How sharp a youngster's ears and eyes!

From *The School-Boy*
by Oliver Wendell Holmes
Class of 1825

In 1814 graduation ceremonies at the end of the year are instituted and Wednesday afternoons are reserved for declamations.



Bulfinch Hall, designed in the style of Charles Bulfinch, is built in 1819.

Discussion begins in 1820 on the course of study necessary to prepare for college. Twenty subjects are studied, 13 of which are in Latin and Greek.



In 1825, Oliver Wendell Holmes, poet, literary leader and doctor graduates from Phillips Academy. Holmes immortalized Bulfinch Hall, "the classic hall," in his 1878 poem *The School-Boy*.

CLUSTERS: "COMMUNITIES WITHIN A SCHOOL"

The cluster system of five "communities within a school," each a neighborhood on the campus, is the heart of Andover's campus life. Designed to create opportunities for close student-faculty contact, clusters give students the advantages of a small residential community. Each cluster of about 220 boarding and day students and 40 faculty families is led by a cluster dean and is a microcosm of the school as a whole, including students from all backgrounds with all sorts of interests. Student orientation, intramural sports, weekday social functions, Blue Key activities and discipline are all organized by cluster. During the course of the school year, each cluster takes on its own distinct personality and spirit. (Cluster affiliations do not affect academics, extracurricular activities or interscholastic athletics.)

27

The Blue Key



The Blue Key organization is in charge of opening of

school student orientation as well as Andover's school spirit. Its members, energetic seniors, have been known to point their faces vivid shades of blue for the Andover-Exeter football games.

The five clusters, organized by the geographic locations of their member dorms, are Abbot, Flogstaff, Pine Knoll, West Quod North and West Quod South.

"Do females possess minds as capable of improvement as males?" is the subject of the 1827 Philomathean Society debate.



On May 6, 1829, Abbot Academy, one of the first educational institutions in New England to be

founded for young women only, opens its doors. Founded by Sarah Abbot, it has 70 girls in its first class. The school thrives and ultimately merges with Phillips Academy in 1973. Its vision: "a commitment to basic

intellectual training and moral guidance, resistance to passing fashion, and—above all—a respect for the importance of women in American society."



"What's great about Andover is that there is no one way of teaching. I had three different English teachers in two years, and each one brought a noticeably different style to the classroom. I got to examine writing in a variety of ways, and it kept me on my toes."

—Alanna Hughes '04, Andover, Mass.

The Teachers Seminary at Phillips Academy is established in 1830 to provide general education for non-college bound students.



Samuel Francis Smith writes "America" (My Country, 'Tis of Thee) in 1832 while living in the house on Main Street now known as America House. It has been used as a dormitory by the academy since 1919.

Frederick Law Olmsted, famed landscape architect and designer of Central Park in New York City, graduates in 1838.



In 1840, the cost of tuition for one term is \$6.00, a fee "which is remitted to indigent students."



"I learn something new every day from the guys in my dorm. Everyone brings something different in terms of life experiences, talents, culture and interests. Also, everyone seems to have an academic strength, so when I'm stuck on a homework problem, there's always someone around to help. After my initial adjustment to dorm life, it really became more of a question of how I would handle the transition back to home life because I love living in my dorm so much."

—Knef King '04, South Bend, Ind.

The Teachers' Seminary at Phillips Academy becomes the English Department and coordinates with the Classical Department in 1842.



In 1850, the school's first gymnasium is founded.

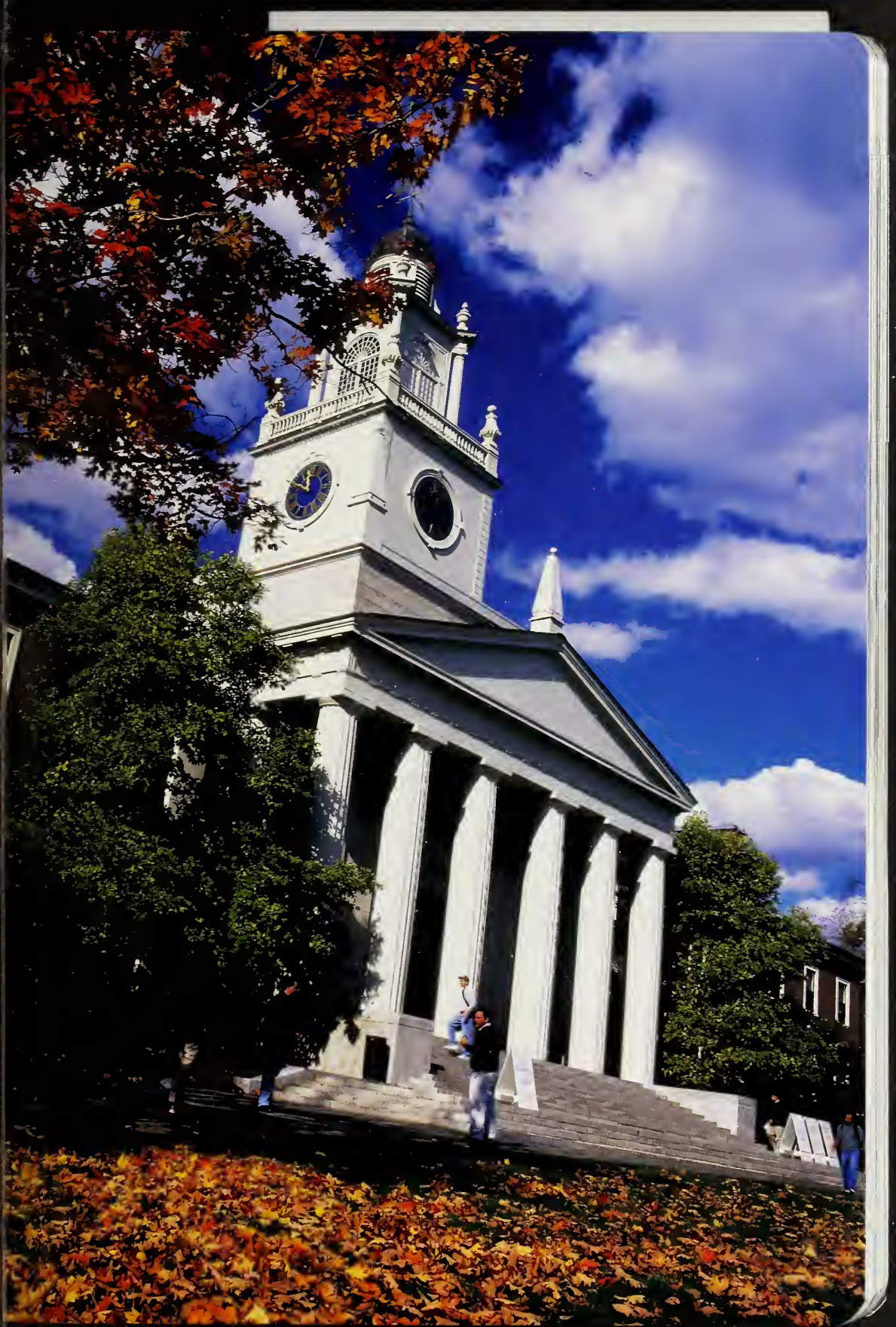


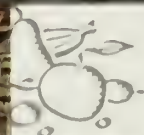
In 1852, Calvin Stowe and wife Harriet Beecher Stowe arrive in Andover. He is a professor at the Andover Theological Seminary and she has just finished writing *Uncle Tom's Cabin*. Harriet begins to hold social events that are



criticized as leading to "dissipation for the students."








PART TWO: UNIQUE CAMPUS RESOURCES



33

THE ADDISON GALLERY OF AMERICAN ART

 In 1930, when Thomas Cochran, Class of 1890, gave to the school the Addison Gallery of American Art, he wrote that he wished his gift “to enrich permanently the lives of the students of Phillips Academy by helping to cultivate and foster in them a love for the beautiful.” Serving as both a nationally recognized museum and an educational resource for the school and the region, the Addison enriches the life of Phillips Academy and the community in many ways. The museum’s holdings are acknowledged as a distinguished collection and include works by, among others, Washington Allston, John Singleton Copley, Benjamin West, Thomas Eakins, Winslow Homer, James A. McNeill Whistler, George Bellows, Edward Hopper, George B. Luks, John Sloan, Alexander Calder, Hans Hofmann, Georgia O’Keeffe, Jackson Pollock, Frank Stella (PA ’54) and Andrew Wyeth.



Winslow Homer, *Light Bells*, 1886, oil on canvas
Addison Gallery of American Art

The Addison serves Andover’s students and the public through nine or more exhibitions each year. Recently the museum hosted the traveling exhibition *Fred Wilson: Objects and Installations, 1979-2000*. During the show, Wilson visited Andover to meet with students from Phillips Academy and Lawrence High School and to give a public gallery talk. This prominent African-American artist received the



high honor of being the United States representative at the Venice Biennale, a century-old art exhibition, before coming to campus.

The museum's education department arranges special classes, exhibitions and artist-in-residence programs for Phillips Academy students to accompany their course work in a variety of subjects. Recently, students from several English classes wrote poems inspired by works in the exhibition *Tracing the Sublime*. The end of semester event, *Escape into the Sublime*, brought students and faculty together in the galleries to hear students read their writings.

During a typical busy month in the gallery, students learn art to better understand American literature and United States history. Phillips Exeter School partners are used for complementary to inspire religious and Transcendental literature, art classes, new understandings of both literary and visual art. American art is just one of the many ways in which the world and the American experience are explored. The art program and the museum are committed to providing a rich and varied educational experience for all students. The art program is a key component of the school's curriculum, and the museum is a key component of the school's cultural and artistic life.



Top: Roy DeCarava, *Exhibition Hall*, 1965, oil on canvas. Bottom: Roy DeCarava, *Exhibition Hall*, 1965, oil on canvas. Bottom: Roy DeCarava, *Exhibition Hall*, 1965, oil on canvas.



The first female head of Abbot Academy, Nancy J. Hassell, arrives in 1854. She strengthens the curriculum and

manages the school's business affairs. The July trustee report says, "We regard it as a prominent peculiarity and excellence of this school that the pupils are taught to think for themselves."

The average is one faculty member for every 79 students at Phillips Academy in 1855.



Richard T. Greener is the first African-American student to graduate from Phillips Academy, Class of 1865. He goes on to become the first black graduate of Harvard.

THE OLIVER WENDELL HOLMES LIBRARY

At the hub of Andover's intellectual life is the Oliver Wendell Holmes Library, named after the famous physician, poet and wit, who was a member of the Class of 1825. The building contains the academy's main collection of over 120,000 volumes and is home to more than 200 years of Phillips Academy archives and several special collections. The library subscribes to 250 current American and foreign-language serials, provides access to thousands of additional journals through full-text electronic data bases, receives several daily newspapers from throughout the country and has an extensive microform collection. The OWL, the library's Web-based automated catalog, also provides access to material at the Brace Center for Gender Studies, the Addison Gallery of American Art, the Robert S. Peabody Museum of Archaeology, the William B. Clift Jr. Record Library, and to the collections of 27 other libraries through membership in the Noble Consortium. Because of Andover's strong academic tradition, the OWHL's mission includes responsibility for teaching students how to retrieve and evaluate information rapidly and simply in all formats. The building, open more than 80 hours each week to support student and faculty study and research, contains open stacks, an 18-station electronic resource center, seminar rooms, faculty research carrels and a number of classrooms.



35

Particular treasures in the Oliver Wendell Holmes Library are the Janssen Atlas, printed in Amsterdam in 1657, the papers and books of Dr. Holmes and one of the world's leading collections of Vergiliano.

My cheek was bore of odolescent down
When first I sought the academic town;
Slow rolls the coach along the dusty road,
Big with its filial and parental load;
The frequent hills, the lonely woods ore post,
The school-boy's chasen home is reached at last.

From *The School-Boy*
by Oliver Wendell Holmes



Shimeta Neesima leaves Japan as a stowaway on the ship *Wild Rover* for America. He is adapted by the shipowner, an Andover trustee, and takes on the

name Joseph Hardy Neesima. In 1867, Neesima graduates from Phillips Academy, later from the Andover Theological Seminary. Neesima becomes the first

Japanese to be ordained a Congregationalist minister. He returns to Japan and founds Doshisha University, now the largest private university in Japan.



THE ROBERT S. PEABODY MUSEUM OF ARCHAEOLOGY

Founded in 1901 through the bequest of Robert S. Peabody (PA 1857), the Peabody Museum was established as a place for students to discover "sciences such as archaeology." Later the museum sponsored notable projects, including A. V. Kidder's pioneering work at Pecos Pueblo (1915-1929) and the first excavation of an African American site in 1913. The museum was also the location of the formative meetings of the Society for American Archaeology in 1953 and participated in initial research on carbon 14 dating in the 1950s. The more than 600,000 objects, photographs and documents represent diverse indigenous cultures in the Americas and reflect more than 12,000 years of culture history. Museum holdings continue to serve ongoing scholarly research and publication. During recent years the Peabody has actively strengthened its connection with Phillips Academy curriculum, students and faculty by making its collections and expertise readily accessible for classroom use.

THE BRACE CENTER FOR GENDER STUDIES

The Brace Center for Gender Studies, in historic Abbot Hall, provides resources for the study of issues related to gender and so enhances and strengthens Andover as a coeducational institution. The center sponsors lectures, films and forums on adolescent growth and development and the influence of gender on individual achievement. It houses an extensive lending library of books on gender-related topics. Each year, the center provides research grants to faculty and student fellows who present their findings in public forums. Presentations have included, among others, "Simone de Beauvoir: *The Second Sex* at 50, Coeducation at 25"; "Cracking the Morse Code: Deciphering Patterns of Enrollment and Success in Mathematics at Phillips Academy"; "Identity: An African-American View"; and "Innovations in Music Education: The Contributions of Julia Crane and Eleanor Smith."



The formation of the Abbot Alumnae Association occurs in 1871 upon the suggestion of Miss Phebe McKeen.

In 1871 "uncle" Samuel Taylor, headmaster of Phillips, dies on the steps of the chapel while entering for morning service.

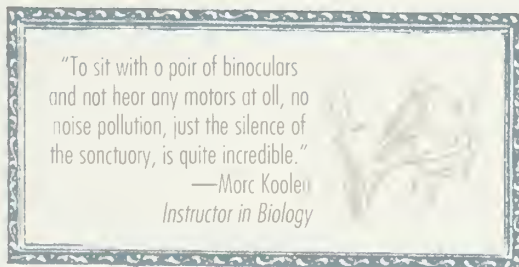


Modern foreign languages are introduced into the classical department in 1872.

In 1873, the Abbot *Courant* is founded as Abbot's history and literary magazine.

THE MONCRIEFF COCHRAN SANCTUARY

The Moncrieff Cochran Sanctuary is an 80-acre tract of rare beauty on the northern end of campus. Dogwood, azalea, rhododendron and laurel provide a succession of bloom from late April to mid-June. Trails wind around two ponds and through extensive natural wild areas and are used all year long by hikers, bird watchers, cross-country runners, mountain bikers, cross-country skiers and the academy's Search and Rescue program.



RESOURCES IN TECHNOLOGY

Andover's world-class computing facilities are staffed by professionals who provide assistance to students and faculty. Presently, a state-of-the-art fiber-optic computer network provides high-speed computer access to more than 70 academic, administrative and residential buildings on campus. Network access is available to all students through the dormitories and through public Technology Learning Centers (TLCs) with more than 200 computers. In addition to individual e-mail accounts and private, in-dorm phone lines with voice mail, each student has high-speed Internet access from his or her dormitory room. Andover's online Intranet community, PANet, allows students, faculty and administrators to share ideas and work, to participate in online discussions and to post schedules. A Web-based system, PANet, can be accessed by students and faculty on- or off-campus via the Internet.

The Phillipian.



In 1877, *The Phillipian*, the official student newspaper of the academy, is established. One of the oldest school newspapers

in the country, it is still published every Friday of every school year.



In 1875, the four-year Classical course is introduced at the school.

The arrival of Cecil F.P. Bancroft as headmaster at Phillips in 1873 marks the beginning of the "modern" Andover. During Bancroft's tenure the student body increases from 262 to over 400 pupils.



PHILLIPS ACADEMY COMPUTER CENTER

The Phillips Academy Computer Center (PACC), located in the library's lower level, is the academy's primary computing facility. Open more than 70 hours each week, the PACC is available to students, faculty and staff for their individual use, while classes in nearly all academic subjects are held in the computer seminar rooms. An evolving hub of electronic technology, the PACC houses over 90 Macintosh and Windows computers and contains a variety of other equipment, such as high-resolution scanners, color printers and high-speed laser printers. Technical staff provides assistance to users, and hand-outs or software manuals are available as references for every software package.



38

THE FRANCES YOUNG TANG THEATRE

The Frances Young Tang Theatre in George Washington Hall is a highly sophisticated, 350-seat flexible courtyard theatre that can be reconfigured to accommodate proscenium, three-quarter or arena-style stagings. The theatre boasts a computerized light board and digital sound system and is complemented by a second, "black-box" theatre and a classroom theatre studio. The three theatres are supported by a large scenery shop, a costume shop and two make-up and dressing rooms.

THE AUDIO VISUAL CENTER AND KEMPER AUDITORIUM

The Audio Visual Center has two multimedia classrooms that support DVD, VHS, dual slide projection, CD, video projection and Internet access as well as audio and video recording capability. The center also houses over 2,000 videotapes, laser discs and DVDs. Cassette recorders, LCD projectors, slide and overhead projectors, digital cameras, camcorders and microphones are available for student use. Kemper Auditorium has full satellite reception, DVD technology, 16mm projection, VHS, Laser disc and other video formats and Dolby Digital and AC-3 sound technology with a unified remote-control system for complete environmental control.



In 1878, Phillips celebrates its 100th birthday. In honor of the occasion, Oliver Wendell Holmes reads his poem *The School Boy* at the Centennial Celebration.

1878 marks the first year of the Andover Exeter athletic competition. In



November, Andover plays its first football game against Exeter (and wins), beginning the long athletic rivalry between the two schools.



In June 1892, the first two women are elected to the Board of Trustees of Abbot Academy. They are Mrs. Frances Kimball Harlow and Mrs. Henrietta Learoyd Sperry.

THE POLK-LILLARD CENTER FOR VIDEO AND ELECTRONIC IMAGING

The Polk-Lillard Center for Video and Electronic Imaging is capable of importing, creating, manipulating and exporting professional graphics and state-of-the-art electronic imagery. Students have access to 21 G4 Macintosh computers, as well as color printers, scanners, software packages designed for photo manipulation and processing, 50 camcorders, linear and non-linear professional editing systems and digital cameras.



THE LANGUAGE LEARNING CENTER

The first fully digital facility in the country, the Language Learning Center has served the students and faculty of the Division of World Languages since 1996. On the leading edge of educational technology, the center delivers interactive instruction in seven languages. Students use film, sound, text, and the Internet to enhance their language learning. Many of the materials in the LLC have been created by Andover teachers; consequently, they are tightly integrated with our curriculum and approach.

39

Students often use technology to produce their own projects, from research papers to presentations to films.

"For language teachers and students, the big news is the Language Learning Center. It is revolutionizing my teaching. This may be one of those rare instances in which increased efficiency also leads to deeper and broader learning."

—Peter Merrill, *Head of the Division of World Languages,*
Instructor in Russian and German

THE WILLIAM B. CLIFT JR. RECORD LIBRARY

The William B. Clift Jr. Record Library offers students the opportunity to examine pieces of music closely using computer-based CD analysis software. With the center's integrated Korg Triton midi keyboards and computer technology, students are also able to compose and revise original musical pieces. The library's enormous collection of classical, rock and roll, blues, jazz, reggae, country and hip-hop music, plus musical scores, sound effects CDs, comic routines and much more is available to the entire campus.



In 1893 Abbot introduces college prep courses and strengthens the classical studies program.

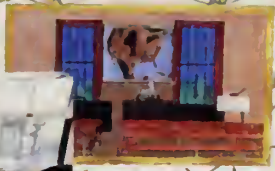
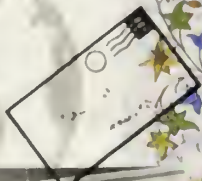


The year 1899 sees the first Abbot Field Day, when "young ladies gathered joyfully to take part in sports."



In 1901 at Phillips Academy, the required morning chapel begins at

7:50 a.m., a year's tuition is \$100, and a student can generally expect to pay about \$3.00 a week for food. Many students coming from a distance board with local families in the town of Andover for about \$4.00 a week.



SCHOOLSHIP



PART THREE: THE ANDOVER EDUCATION



THE FACULTY

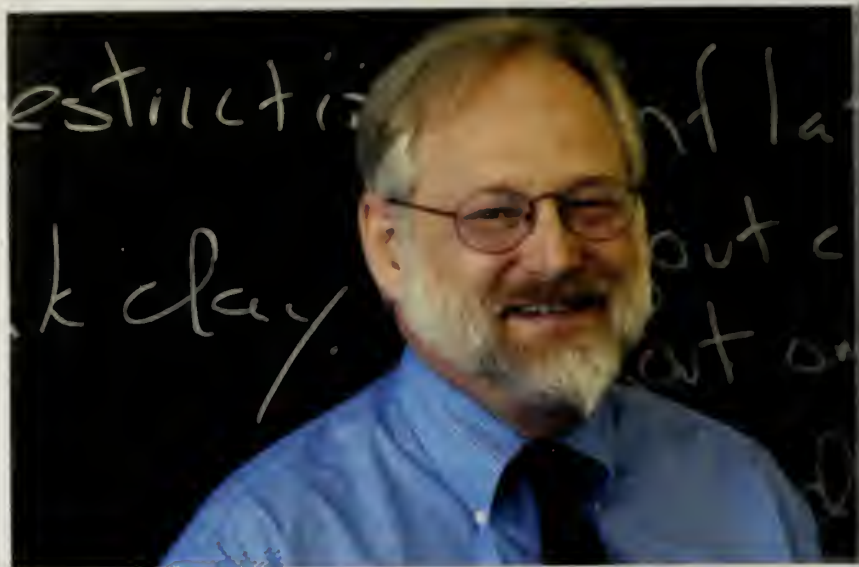
41

In their commitment to their fields of expertise, and in their readiness to engage and guide their students, Andover's 212 faculty members create a vital and exciting atmosphere on campus. They challenge their students, yet are compassionate; they encourage mastery of detail and set high standards, yet they enable dreams to flourish. In classrooms and concert halls, on athletic fields and community service outings, in science laboratories and cyberspace and over meals in Commons, Andover faculty instruct, encourage and inspire their students. Graduates often return to campus to speak of the affection and dedication Andover teachers brought into their lives, while the teachers take enormous pride in all that their students attempt and accomplish. Indeed, it is this generous and spirited exchange between those who want to learn and those who love to teach that makes this academy a special place for both faculty and students.

For a complete list of Andover's faculty and faculty emerit/ae, please see page 161.

His was the charm magnetic, the bright look
That sheds its sunshine on the dreariest back;
A loving soul to every task he brought
That sweetly mingled with the lore he taught.

From *The School-Boy*
by Oliver Wendell Holmes



"Our students begin by responding to questions we pose to them. By the end of their time here, they're doing what real historians do: developing their own questions, conducting their own research, writing – and sometimes publishing – their own historical essays. I begin as their teacher; I end as their research assistant."

—Victor Henningsen
Chair, History Department
Instructor in History



"Our students can fully engage in the process of doing science: They can pose questions, make observations and test new ideas. At all levels, from introductory to the most advanced independent research projects, students have the facilities, technology and instruction to help them reach for the stars in their exploration."

—Trish Russe
Chair, Science Division
Instructor in Biology and Physi



"Because their teachers write, students at Andover learn that writing is a process that involves constant practice and an enduring cycle of revision, and they emerge with an aesthetic and a skill that their professors in college recognize as Andover's."

—Jon Stableford
Chair, English Department
Instructor in English



"Andover's trimester system and flexible curriculum allow new students to enter the math curriculum at a level for which they are ready. From beginning algebra to linear algebra and multivariate calculus and beyond to independent projects, Andover has the program to challenge students' talents and needs."

—David Penner
Chair, Math Department
Instructor in Mathematics



"When we hear the old story that girls aren't as good in science as boys, we think, 'What are these people talking about?' That's just not true at Andover. In an advanced chemistry class, 10 of the 17 students were girls. Four of the top five grades went to girls. And their projects! Winnie Chan, for example, taught nuclear magnetic resonance spectroscopy to the class. What can I say? It was fantastic."

—Temba Maqubela, Instructor in Chemistry



The Borden Gymnasium is dedicated in 1902



The Robert S. Peabody Foundation of Archaeology Museum is opened in 1903. Now the Robert S. Peabody Museum of Archaeology, it holds over 400,000 objects representing indigenous cultures in the Americas.



"I have especially benefited from the small class sizes and the probing style of teaching used at Andover. Both the small classes and the way in which teachers prod through a student's beliefs, opinions and knowledge have helped provide for lively and engaging class discussions."

—Yoni Gruskin '07, Englewood, Colo.



Brothers Field is completed
in spring 1903.



Field hockey is introduced
at Abbot Academy in
1903 and the first com-
petitive game is played a
year later against Brodford
Academy. By the 1940s,
Abbat women will partic-
pate in field hockey,
basketball, tennis, skiing,

skating, gymnastics,
softball, track, archery,
lacrosse, horseback riding
and dance.



The first Rhodes scholar, a
former Phillips Academy
student, is chosen in
1904.

TEACHING AND LEARNING: THE ACADEMIC PROGRAM



Andover's academic program offers a strong and broad foundation in the arts, humanities, mathematics and natural sciences. The academy's extensive and rigorous curriculum, along with its varied approach to teaching, not only prepares students superbly for college, but instills in them a lifelong love of learning.



46

Between the ages of 14 and 18, students make significant leaps in their cognitive development. Andover varies its teaching methods to suit these developmental stages and to present effectively the material and methods of inquiry specific to each discipline. Quickly paced introductory courses provide the structure and guidance necessary for young learners to build basic skills and to handle progressively more difficult material. At the same time, students who are exceptionally capable in certain areas of study are encouraged to enter the curriculum at advanced levels.

For advanced students, Andover provides extensive elective offerings, with courses beyond the college entrance level. Before they graduate, students may do research with recombinant DNA, study the calculus of vector functions and quantum mechanics, take a seminar in existentialism or economics, compose a major musical work or direct a play.

Our dynamic faculty rejects the rigid orthodoxy of a single teaching method in favor of techniques that suit the material at hand. Students find themselves in small class discussions one day and in a group project the next; they conduct research, prepare and present demonstrations and question guest lecturers; they think, write, compute, experiment—in short, they learn to examine the world from many points of view. The result is a vibrant program of education, rooted in a philosophy of learning by doing, that is constantly renewing itself as we debate pedagogy, review and adapt offerings, revisit syllabi and integrate new technologies.

Beyond the classroom, a rich array of extracurricular activities offers unparalleled opportunities for development of skills and talents. Numerous student publications showcase creative, scholarly and journalistic writing and editing.

Artistic skill blossoms through dozens of musical, theatrical and dance performances each term. Clubs enable students to explore new areas of interest and to sharpen skills in such areas as debate, mathematics, politics and languages. Teachers and students model for each other a commitment to inquiry and performance that makes Andover a true community of learners. Inside the classroom and out, the academic energy is palpable.

The following pages provide information about each academic department. Courses and diploma requirements are described in the *Course of Study*.



FLEXIBLE PLACEMENT

Initial placement in math, science and foreign language varies according to the level of accomplishment each new student exhibits upon arrival. Flexibility in course offerings permits those with particular ability in these areas to move forward at a pace that makes the best educational sense for them. As students progress, they are presented with increasing choice so they may fashion a largely individualized program in the senior year.

Attending a master class with a world-renowned visiting artist, musician, poet or scientist is a transforming experience. When Emmy-award winning jazz trumpeter Wynton Marsalis came to campus, for example, he spent an afternoon working with members of the academy's Jazz Band, teaching them subtleties of African drumming rhythms and how to blow on a brass instrument to produce different effects. Later that night, the students performed a much improved version of Duke Ellington's "Ko-Ko" on the same stage as Marsalis' electrifying jazz quintet. "The students were thrilled to have the attention of someone with Wynton Marsalis' skill and reputation," said music instructor Peter Cirelli.



"Taking Russian for most students would be stepping out of their comfort zone. But if you think about it, PA is probably out of your comfort zone, too, so try something new. I found my niche in Russian, and through this program and the energetic teachers I hope to one day be fluent in the language."

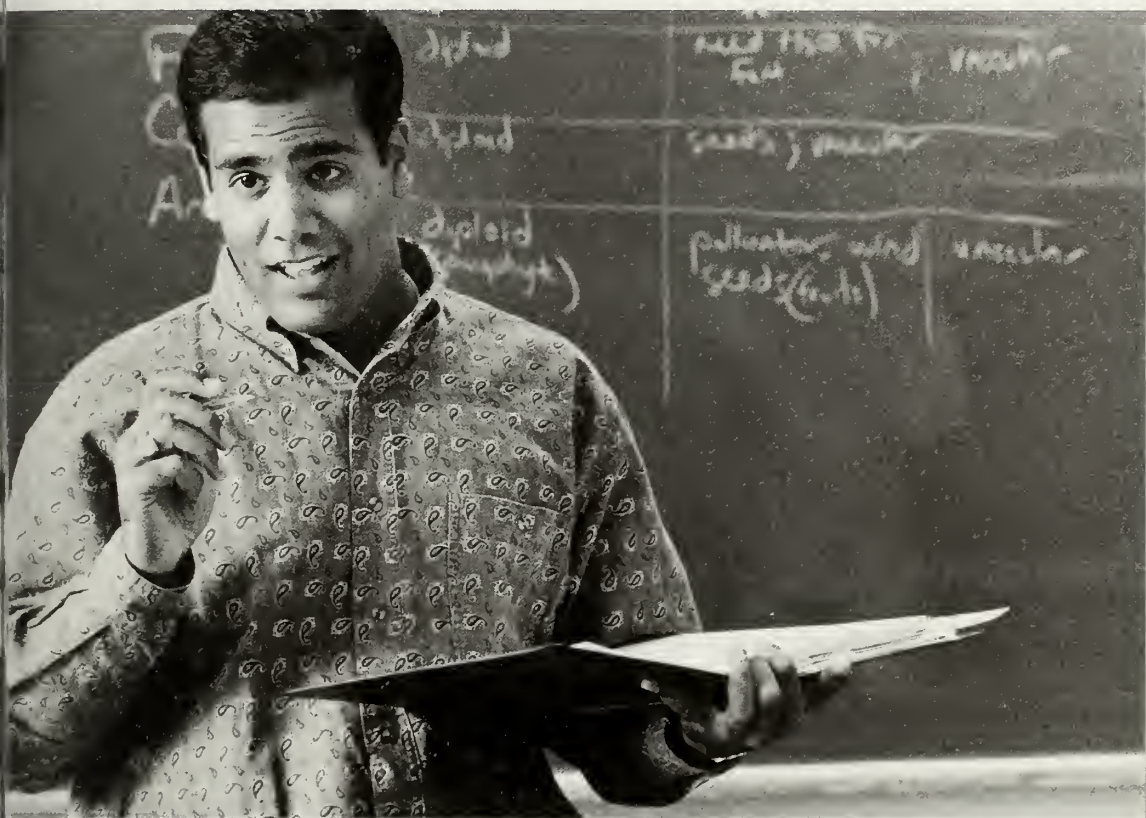
—Andrea Coravos '06, Andover, Mass.



Williams Hall is acquired in 1910 as a dormitory for ninth-graders



Miss Bertha Bailey becomes headmistress of Abbot in 1912 and rules the girls' school "with an iron hand." It was during her tenure that the first international students arrived at Abbot from China, Japan, Greece and Brazil.



"If I had chosen to remain at my public high school, I never would have had the opportunity to accelerate in mathematics. During my time at Andover, I will be able to take linear algebra and vector calculus. As a member of the math team, coached by Mr. Barry, I prepared for the U.S. Mathematical Olympiad and will represent PA in the American Regional Mathematical League Competition at Penn State University."

—Prateek Kumar '07, Latham, N.Y.



Benjamin Spack, future pediatrician, author and authority on child-rearing practices, graduates in the Class of 1921.



The Memorial Bell Tower is constructed in 1923 in memory of Phillips Academy graduates who lost their lives in World War I.



Andover celebrates its 150th anniversary with gala celebration May 18–19, 1928. President

Calvin Coolidge attends and delivers speech praising the democratic nature of the academy. Coolidge's cigar stub from the event is preserved in the academy archives.







COURSE LIST

Visual Studies

Visual Studies On-Line

Drawing

Photography

Design

Classroom Visual Studies

Art History

A comprehensive introduction to
visual and language studies

Visual Studies

Drawing

Photography

Design

Visual Studies

Visual Studies On-Line

Visual Studies On-Line

Visual Studies

Visual Studies

Visual Studies

Visual Studies

Visual Studies is the first
course in the Visual Studies
program. It is designed to
provide students with a
comprehensive introduction
to visual and language
studies. The course is
designed to provide students
with a comprehensive
introduction to visual and
language studies.

ACADEMIC DEPARTMENTS

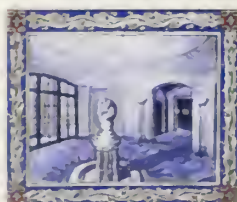
ART

The art department courses involve students in the creative process and help them explore the relationship between seeing and thinking. The *Visual Studies* course is the cornerstone of the visual arts curriculum and teaches students that a basic visual vocabulary is necessary in order to understand the language of images. Elements such as texture, shape, line, rhythm and color are topics for discussion and the focus of some basic assignments in drawing, photography and collage. Computer graphics and video projects are included to encourage students to consider the impact of design and to emphasize the significance and complexity of sequential and motion media imagery. The basic introduction to visual literacy will help demystify the experience of looking at images and will make available to Andover's students the vast wealth of art that transcends time

and cultural boundaries. Students who wish to pursue several terms of art can choose from a wide variety of courses taught by a faculty of nine practicing artists. Exposure to art faculty exhibitions and works in progress, along with access to the remarkable collection at the Addison Gallery of American Art, enhances the studio experience.



The year 1930 sees a great deal of construction. The original library is completed and named after Oliver Wendell



Holmes. Thomas Cochran founds the Addison Gallery of American Art in the hope that "If Andover students could be surrounded by beautiful things their lives would

be immeasurably enriched." Today the gallery holds a collection by artists including Winslow Homer, Thomas Eakins, Georgia O'Keeffe, Jackson Pollock and Frank Stella (PA '54).

A fifth level of English literature instruction is added at Andover in 1932, focusing on British and American literature

COURSE LIST

Etymology
Greek Literature
Classical Mythology

Courses in Latin and Greek
are listed under the
Division of World Languages.

CLASSICAL STUDIES

Four full-time members of the classics department teach several elective courses in classical studies designed to provide students with a broad introduction to classical civilization through history, literature, mythology and etymology. Additionally, through the study of Greek, the department offers students a direct entry into Greek literature. The Greek alphabet is easily mastered in the first few class meetings. Students quickly discover that the poetic and expressive qualities of Greek language and literature stimulate the imagination and illuminate the early political and intellectual development of the Mediterranean basin.



53



The Cochran Chapel, given by Thomas Cochran, Class of 1890, is built in 1932 and extensively renovated in 1998. A superb example

of neo-Georgian architecture, the chapel continues today as a gathering place for school events and as a center for a pluralistic religious community.



In 1933, Claude Fuess becomes the 10th headmaster and brings about curriculum revisions, emphasizing breadth and variety; four years of history are required in order to increase an awareness

of the Western world; four years of science are required; and art and music appreciation courses are added to the curriculum.



The English department believes students should accumulate reading and writing skills that are reinforced over the years as they encounter increasingly sophisticated forms of writing in their own work and the works they read. At the heart of this endeavor is the department's conviction that expression in language is intrinsic to the development of young adults. The English department curriculum first introduces students to the joys of reading and writing, and then invites the students to refine those skills as they enhance their ability to develop a voice and enrich their appreciation of other voices.

In *English 100: The Myth and the Journey*, students experiment with forms of writing ranging from personal narratives to pragmatic arguments and initial critical analysis, mostly in the form of journal entries. The literature highlights the journey, encouraging students to explore with the characters the adventures encountered in stories real and fictional.

In *English 200: Writing to Read, Reading to Write*, students study expository writing in the fall, poetry and short fiction in the winter, and a longer novel in the spring. Throughout the year, they study the relationships between form and

In 1939, music lessons for credit are first offered at PA.



COURSE LIST

CHINESE

Beginning, Intermediate
and Advanced Chinese

Stories in Modern Chinese

Communications in Modern Chinese

FRENCH

Beginning and Intermediate French

French Civilization

The Francophone World

French Literature

Advanced Conversation

History of France

Advanced Placement in language

Advanced Placement in Literature

Modern Literature

GERMAN

Beginning, Intermediate
and Advanced German

Advanced Placement Language

GREEK

Beginning, Intermediate
and Advanced Greek

Iliad and Odyssey

History, Tragedy, Lyric

content in both their own writing and the writing of published essayists, poets, dramatists, novelists and short-story writers.

In *English 300: The Seasons of Literature*, students study the literature of tragedy, comedy, romance and satire and write about it in a variety of rhetorical modes; in the spring they study Shakespeare. In the elective program, students are invited to select from among two dozen electives each term. The students learn about the philosophical underpinnings of major works as those works reflect elements in critical literary history.



55

DIVISION OF WORLD LANGUAGES

A faculty of 26 teachers in the Division of World Languages offers Andover students many choices. Ancient languages offered are Greek and Latin, the source languages of Western thought and literature. Modern languages offered are Chinese, French, German, Japanese, Russian and Spanish. Emphasis is on the spoken word, and the target language is the means of all communication in the classroom. The learning of skills in the first two years leads to a third year of grammar review and topical study in literature and civilization. With this foundation, many students choose to move into more specialized areas. At all levels

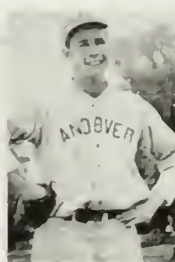


In the mid-to-late 1940s, war-related courses are added to the curriculum, including navigation and meteorology.



100

of study, students supplement their course work with videotapes, audio tapes, and computers in the Language Learning Center and with such activities as theatrical performances, radio shows, cultural festivals, language tables in the dining room, visits by performing groups and occasional trips to special events in Boston and at nearby schools and universities.



Future President George Bush graduates from Phillips Academy in 1942. The captain of the varsity baseball team, Bush is voted in the yearbook as a "best all-around fellow" and is called "Poppy" by his classmates.

COURSE LIST

World History to 1500
 The Early Modern World
 United States History
 Modern European History
 Introduction to Economics
 Comparative Government
 International Relations
 East Asia
 Africa and the World
 The "Greater Middle East"
 Economics II
 Issues in Economics
 Africa and the World
 Masculine/Feminine/Human:
 Issues in Gender Relations
 Nuclear Power and Weapons:
 Proliferation and Response
 The Great War, 1914-1919:
 Triumph and Tragedy
 Expansion and Indian Policy in 19th Century
 America: "Kill the Indian, Save the Man"
 Six Lives of the 19th Century: Searching for
 Salvation in the Fight Against Slavery

HISTORY AND SOCIAL SCIENCE

Courses in history in the junior and lower years emphasize major themes in world history and teach skills and concepts essential to the study of history and social science, thus preparing students for more advanced courses in the field. In the upper year, most students study U.S. history. Seniors may choose from a variety of area histories: East Asia, Africa, Middle East; or from social science courses: *Introduction to Economics*, *Comparative Government* or *International Relations*. A yearlong survey of modern European history is also available to seniors, uppers and exceptional lowers. Seniors may take advanced courses such as economics, *Issues in Gender Relations*, *Nuclear Power and Weapons* and research seminars addressing particular historical periods.

In all courses, students write extensive essays, including research papers, using government documents, newspapers, letters, diaries and interviews, the raw materials of history. Students receive instruction as well as guidance from the department's faculty of 18 instructors.



57



The Andover Summer Session is inaugurated in 1942 under the direction of Wilbur J. Bender, with the participation of 197 boys.



Jack Lemman, future film actor and Academy Award winner, graduates in 1943.

In 1944, Marguerite Hearsey, a scholar with an M.A. from Radcliffe and a Ph.D. from Yale, becomes the 14th principal of Abbot Academy. Miss Hearsey asserts that students should "work for mastery of subject, not grades."



"I would definitely recommend AP Chemistry with Mr. Maqubela. In class we do not just learn chemistry from the textbook, but we relate chemistry to life. Rather than making an AP class a chore, Mr. Maq makes learning fun."

—Sheena Hilton '05, Stockbridge, Ga.



In 1945, the "Direct Method" of language instruction is introduced with hopes to produce linguists and not grammarians

In October 1948, Lieutenant Colonel John Mason Kemper is inaugurated as the 11th headmaster of Phillips Academy. Fourteen years later, in October 1962, *Time* magazine puts Headmaster Kemper on its



cover "Kemper's gifts for hard analysis and easy leadership galvanized Andover," the article says

In 1948, Kemper spearheads effort financed by Ford Foundation to allow well-prepared high school seniors to test out of lower level courses in college; this leads to establishment of the Advanced Placement exams by College Board in 1954



The total cost for a student to attend Phillips Academy in 1949 is about \$2,150



"The music program at PA is absolutely fabulous. I was able to perform in a wide variety of contexts, as well as to enrich my understanding and appreciation of music through several amazing classes in theory. With the large and talented faculty and the wide range of ensemble and solo performance options, there is space in the department for both virtuosos and beginners. I encourage all incoming students to try their hand at the PA music scene. You won't regret it."

—Josh Williams '03, Andover, Mass.

H
Y

The 1950 senior class
sends 64 students to
Harvard and 46 to
Yale.

Abbot
Academy
celebrates its 125th
anniversary in 1954.



Frank Stella, now a
famous abstract
artist, graduates in the
Class of 1954.



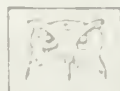
"For the past year, I have composed and advanced a laboratory project aimed at studying hematoporphyrin molecules for photodynamic therapy and the treatment of bacterial infections. This project has opened up new doors, giving me the opportunity to converse and develop a confidence in my contributions and presentation."

—Winnie Tsang '04, Hillsboro, Ore.

In 1954, the first African-American woman, Beth Chandler Warren, matriculates at Abbot Academy.

НОВЫЙ ГОД

In 1955, the Russian language is first taught at Phillips Academy.



In 1955, the first full-time male teacher is hired at Abbot Academy, and Mary Crane, a widow with four small children, is appointed as the head of Abbot.

In response to a national teacher shortage, the Andover Teaching Fellow Program is inaugurated in 1955 to recruit and train young men for the teaching profession.



"Living in a dorm makes entering a new school and making new friends a lot easier. When I arrived, I automatically knew 36 other students and was introduced to their friends. Another good thing about living in a dorm is that if you need help with a subject there is always someone who knows how to help you."

—Paul Voorhees '06, Birmingham, Ala.



Abbot Academy beanies
with symbols of gargoyles
and griffins, circa 1930s-
50s.



In the late 1950s the decision is made to admit the best 250 candidates, regardless of their ability to pay the tuition. Phillips Academy's enrollment increases to over 800 students.

COURSE LIST

The Nature of Music

Jazz

Electronic Music

Advanced Electronic Music

Words and Music

Survey of Western Music History

Theory and Composition I; II; III

Chamber Music Seminar

African Drumming Ensemble

Fidelio Society

Band

Chorus

Chamber Orchestra

Private Instrument and Vocal Lessons

MUSIC

The music department faculty consists of nine resident teacher-performers, 35 adjunct instrumental teachers and one full-time librarian. All of the faculty are active performers in the Boston area, and most of them have graduate degrees in music. Instrumental lessons are available on all band and orchestral instruments and on the piano (classical and jazz), organ, harpsichord, harp, guitar (classical, folk, rock and jazz), bagpipes, African drums and voice.

Andover offers courses in all areas of music study and for all levels of students and sponsors 60-70 student and student-faculty concerts on the campus each year. The music building, the beautifully renovated Graves Hall, has three large classrooms, two large rehearsal/concert rooms, a music library (recordings, computer lab and scores), an electronic music studio and 19 practice rooms. Many of the concerts that involve large performing groups take place in the Cochran Chapel. The basement

of Cochran Chapel houses a fully equipped rehearsal room and a library of choral music, and upstairs is one of the department's treasures, a 30-stop, double-manual, tracker-action organ.

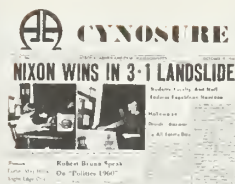


63

Students of all levels can participate and perform in Andover's many musical groups. There are four orchestras: the Academy Symphony Orchestra (100 members), the Chamber Orchestra (35), Amadeus (25) and Carelli (20). The choral program is comprised of the Chorus (90), the Cantata Choir (80), Fidelia (a 15-member madrigal group) and the Gospel Choir. There is also a hand bell choir that rehearses weekly in the chapel. Wind players have multiple opportunities: the Concert Band (80), the Jazz Band (25) and smaller wind and brass ensembles. Chamber music opportunities exist for both classical and jazz musicians.

A. Bartlett Giamatti, later to become 19th president of Yale University and baseball commissioner, graduates from the academy in 1956.

From 1959 to 1961, Andover raises \$6,750,000 for new campus facilities.



The first Abbot Academy newspaper, *Cynosure*, is published in 1960.



64



PHILOSOPHY AND RELIGIOUS STUDIES

The Department of Philosophy and Religious Studies seeks to initiate students into three fundamental and related human quests: the search for meaning, the search for justice and the search for the foundations of knowledge.

The department's courses provide an introduction to outstanding literature in each field of study and to the skills necessary for critical appreciation of that literature. The department faculty, who believe that the distinctiveness, power and universal features of a tradition can often be disclosed by a comparative focus, seek to help students become aware of the many voices that together inform religious and philosophical traditions. The department faculty also encourage students to engage actively in reflection on the personal significance of the questions they have chosen to explore. Thus, active class participation is an essential part of this process and of a student's grade.



In 1961 the Asian Studies program begins.



In 1964 the Andover Summer Session becomes coeducational



In 1964-1965 the Search and Rescue program, an outdoor activity course involving kayaking, mountain-

hiking, climbing, rafting and first-aid skills, is introduced. This innovative program becomes a model for Outward Bound USA.

COURSE LIST

Introductory Psychology

Developmental Psychology

PSYCHOLOGY

The psychology department faculty consists of three doctoral-level, licensed psychologists who both teach and provide psychological counseling services. Two courses for uppers and seniors examine fundamental concepts

in the field with particular emphasis on helping the student explore the relationship between psychological knowledge and personal growth in the context of a diverse social environment. The *Introductory Psychology* course acquaints the student with the complexity and diversity of psychological inquiry and includes as topics personality theories, research methodologies, human development, social behavior and psychopathology. The *Developmental Psychology* course examines human growth and development from infancy through adulthood. Different theoretical perspectives of psychological development are examined as they relate to developmental milestones. Both courses include lectures, discussion and reading and may involve opportunities to apply learning in community settings.



65



In 1966, Andover's first Faculty Steering Committee issues its visionary report on the educational program, recommending "a broader elective program, an outward-

facing attitude toward society, and a more nurturing approach to students." The report also leads to the establishment of Andover's cluster system.



WPAA, Phillips Academy's student-run FM radio station, goes on air in 1966.

SCIENCE DIVISION

The science program exposes students to a range of science that will enable them to be informed citizens and to pursue further study in those areas of science that interest them. The introductory courses provide a solid foundation for interdisciplinary or discipline-based advanced work. Electives provide opportunities for students to place their scientific knowledge in a broader context and to explore topics that are rarely encountered in a secondary school science curriculum. In fulfilling the requirement of two year-long courses and the guideline of three additional terms, students work individually and in groups to become active, confident questioners, problem-solvers and experimenters. The range of course offerings allows students, in consultation with teachers and advisers, to craft a program responsive to their interests, abilities and backgrounds. The new state-of-the-art Gelb Science Center opened in January 2004.



66

COURSE LIST
Introduction to Biology
Cell Biology
Animal Behavior
Plant Biology
Evolutionary Biology
Advanced Placement Biology
Genetics
Plant Physiology
Molecular Biology and Biotechnology
Ecology

BIOLOGY

Introductory courses give students a general background and an understanding of some of the current trends in biology. During the spring term, students design and carry out independent, controlled experiments which they present in seminars and short scientific papers.

The term-contained advanced courses permit students, after they review and build on material introduced earlier, to study some topics in considerably more depth than is usual in a typical Advanced Placement course. The laboratory and field work in these courses gives students experience with the techniques

of chromatography, electrophoresis, spectrophotometry, statistical analysis, dissection and genetic engineering, as well as qualitative and quantitative field analyses. Computer simulations are also used.



THE WASHINGTON INTERN

The Washington Intern
Program begins for
Andover students in

conjunction with Exeter
in 1969.

$$e^{\pi i} + 1 = 0$$

In 1969 Math 55 is
offered, covering
topics and their application
in linear algebra,
multivariable calculus and
probability.

Students who love working in the laboratory and have completed a year of biology and chemistry are invited to join the laboratory research course, where they learn state-of-the-art genetic engineering techniques and apply them to independent research projects. This course provides a unique opportunity for advanced biology and chemistry students to work in close collaboration with a faculty mentor and a few like-minded fellow students in an informal laboratory setting. Some students use the course as a springboard to further summer research work or to see whether they might want eventually to do scientific research as a career.



67



Opened in January 2004, the Gelb Science Center provides an ideal environment for the continuing evolution of science education at Andover. The Gelb's flexible space accommodates wide-ranging activities, enabling easy transitions from full-class discussion to small group work, from computer to lab bench, from blackboard to state-of-the-art audio-visual system. A combination of laboratory-classrooms, laboratories and seminar rooms for core courses is complemented by specialized and dedicated research spaces, including the molecular biology lab, the astronomical observatory and the chemical instrumentation room. Informal study areas, offices and meeting spaces invite out-of-class collaboration among faculty and students. Throughout, the center is equipped with access to the campus computer network and the Internet.

The interdisciplinary course *Man and Society* is introduced in 1970, focusing on revolutionary Mexico and urban America, coupled with an off-campus experience.



Term-contained elective courses are introduced in 1971.



In 1971, a main-frame computer is installed in Morse Hall to begin computer education at Andover.



68



CHEMISTRY

In the core introductory course of inorganic chemistry, students explore the central themes of all chemistry: structure, kinetics and thermodynamics. Within this framework, topics include atomic structure, stoichiometry, gases, solids, solutions, equilibrium, electrochemistry and nuclear chemistry, among others. Interactive lectures, chemical demonstrations and group work help students realize how these seemingly abstract ideas are an integral part of everyone's world.

Computers and calculators (for graphing, data analysis and audio-visual applications) are proving increasingly useful components in this endeavor. Investigative lab work enriches the way in which students explore chemistry and is a vital component of the program. Working alone and in groups, students probe the chemical world with a variety of tools, including top-loading and analytical balances, pH meters, spectrophotometers and a Fourier transform infrared spectrometer.



ENVIRONMENTAL SCIENCE

In addition to courses such as *Chemistry of the Environment*, *Evolution and Ecology* and *Ecology* (see biology and chemistry sections), the department offers a yearlong course in *Environmental Science*

that focuses on scientific understanding of the factors that influence the biosphere and considers the roles of economic forces, cultural and aesthetic considerations, ethics and regulations in shaping our environment.



In March 1972, Theodore R. Sizer, former dean of the Harvard Graduate School of Education, is named the 12th headmaster of Phillips Academy. In *Speculations on Andover* he says

"Andover ought to stand for the ideal of a heterogeneous school. It ought to demonstrate the special power of such for learning. Accordingly, Andover

should vigorously recruit on international student body, boys and girls of social, racial, national and religious diversity."

PHYSICS

The physics department offers several introductory courses at various levels of difficulty. Some representative topics are mechanics, waves, heat, electromagnetism, light and modern physics. The new 16-foot observatory dome in the Gelb Science

Center houses a research-grade telescope that can be controlled remotely via computer. This new facility enhances course work and project work. Recent projects have included solar, lunar and planetary study, astrophotography, computer simulations and orbit analysis. The department is well-equipped with laboratory and demonstration equipment such as low friction tracks, photogates for precise timing, cathode ray oscilloscopes for a multitude of uses, a seismograph, and computers for rapid data collection and analysis.

COURSE LIST

Introduction to Physics
College Physics
Classical Mechanics
Cosmology
Physical Geology
Observational Astronomy
Electronics
Geology of the Solar System
Advanced Placement Physics
Relativity and Quantum Mechanics
Physics Seminar
Meteorology



69



Past student independent projects in science have included laser transmission of information, halograms, construction of a 27-foot, remote-controlled helium blimp, construction of a mag-lev train and investigation of nanoparticles.



In 1973, Andover merges with neighboring girls' school Abbot Academy under the direction of Headmaster Sizer and Donald Gordon, headmaster of Abbot.



THEATRE AND DANCE

The Department of Theatre and Dance offers students academic courses in all aspects of theatre and dance, practical exploration in both disciplines and the opportunity to present their work before an audience.

In dance, students may study ballet or modern dance as an academic course or as an afternoon sport. Classes and dance recitals are held in a studio with a sprung floor; additionally, dance performances are scheduled throughout the year in the school's three theatres.

In theatre, students may study acting and directing; design and construction of scenery, lighting or costumes; and theatrical theory and history. Also, hands-on instruction is constantly available in all

aspects of performance and production. Classes and performances are held in a state-of-the-art complex that includes a workshop theatre that seats 80; a "black box" theatre which, with 150 movable seats and a computerized light and sound system, is often used for student-directed performances; and a highly sophisticated, 350-seat flexible courtyard theatre that can be configured into proscenium, three-quarter or arena-style seating. This major theatre boasts a computerized Expression light board and a digital sound system of recording-studio quality and is often used for faculty-directed productions.

In a typical school year, 30-40 productions are mounted either by students working for academic credit under the direction of theatre and dance department faculty or by students in extracurricular organizations. Additionally, professional guest artists in both theatre and dance come to Andover as often as possible to work shoulder-to-shoulder with students in classes and performances. In 2001, famed dancer Bill T. Jones visited campus and worked with students as an artist-in-residence. In 2002, members of the renowned Trisha Brown Dance Company worked with students on original choreography and performed in Tang Theatre.

In 1973 a student penned this verse and posted it to a door the day of the SAT test

I think that I shall never see
A waste quite like an SAT
An SAT is just a test
To find which people guess the best
With paragraphs of boring lore
Penned before the Civil War
I think erosion is to rocks
and blackened in the paper box
For un-computer types like me
such nonsense is an SAT
Poems are changed by fools like me
but God would blow his SAT



Dana Delany, future Emmy Award-winning actress, graduates in the first co-ed class of 1974.



ADVISING AND SUPPORT SYSTEMS

At the heart of the Phillips Academy experience are student-faculty relationships. Many of these relationships develop organically through day-to-day engagement in every venue of the campus with the shared enterprise of learning. Others are more structured to ensure that each developing adolescent is constantly offered the gifts of sustained adult attention and support (1996 Steering Committee Report II)



72

For boarding students, the primary adult contact is a house counselor whose apartment is in the dormitory and with whom the student often forms a close personal relationship. In addition, every Andover student has an individual adviser who helps design the student's course of study and extracurricular program and follows up with biweekly meetings. Together, the house counselor and adviser work to ensure that each student is challenged but also thriving, fully involved but not overwhelmed.

For ninth-grade boarding students, advisers are assigned by dormitory. When the ninth graders move to upper-class dorms, they are assigned permanent advisers. For ninth-grade day students and for all students who enter in grades 10-12, permanent advisers are assigned. The permanent adviser and student are paired until graduation, so their relationship grows as the years go by.

Additionally, every student has five or six classroom teachers, a cluster dean and a coach or special activities supervisor (plus a college counselor for seniors) each term. These adults provide a network of support for every student at Andover. House counselors, day student advisers and classroom teachers write to parents at the end of the fall and spring trimesters, and all Andover faculty members encourage parents to call or e-mail them with questions or turn to them for information about their sons' and daughters' progress.

EXTRA HELP

Classroom teachers are available for extra-help sessions during the morning conference period and at other times as well for those who need additional assistance. The Academic Support Center meets with students individually to teach strategies for organizing work, managing time and improving study skills. Tutoring in individual courses is provided through the peer tutoring program. Psychological counseling is available at the Graham House Counseling Center.

The Phillips Academy Cantata Choir and Chamber Orchestra came into existence under the direction and guidance of William Thomas and began making spring tours in 1977. Past tour

destinations have included Belgium, France, Italy, England and many cities in the United States.

In 1978 Phillips Academy celebrates its 200th birthday with celebrations and festivities.



Donald McNemar is named the 13th headmaster of Phillips Academy in 1981.

COLLEGE COUNSELING

The College Counseling Office carefully guides uppers and seniors through the college admission process. Counseling begins in the winter of the upper year with a series of meetings to outline the 18-month cycle and to explain and demystify the process. Each student is assigned to one of the six college counselors; the student and counselor meet first to review academic, personal and extracurricular histories and goals and then to identify criteria for the development of an initial college list. Individual and group meetings continue in the fall and winter of senior year, focusing on the refinement of the list and the details of the applications themselves. As partners in the process, parents receive periodic newsletters from the College Counseling Office, are invited to on-campus programs on college admissions and are encouraged to share their ideas, insights and concerns with their child's counselor. The College Counseling Office is committed to the proposition that finding good matches between students and colleges is the key element of the college process. Andover graduates choose colleges that cover a range of sizes, levels of selectivity and locations. The Andover experience is valued by college admission committees at selective colleges, and many students compile records of accomplishment that make them attractive candidates at highly competitive colleges and universities. Still, college admission is increasingly competitive and there are no guarantees. The College Counseling Office's goal is to help Andover students take charge of this important rite of passage and to provide them with the tools, the power and the information they will need to make wise choices as they plan for their futures. A list of college matriculations for the 2003 graduating class appears on page 153.



73

The College Counseling Office maintains a library of college catalogs, financial aid information, and testing materials and hosts a comprehensive Web site at www.andover.edu/cco. The office hosts several hundred college admission representatives annually, presents workshops and seminars on various aspects of the college admissions process, such as interviewing and essay writing, and advises students about the college admissions testing programs.



In 1981, the Community Service Program is developed, serving three local agencies. Today, students can participate in volunteer projects at over 25 local organizations.



The tuition for boarders in 1982 is \$7,200.



In 1986, Headmaster McNemar and the chief of foreign relations for the Soviet Ministry of Education sign an exchange program with the Novosibirsk Physics-Mathematics School

in Siberia. The program, the first of its kind for high school students anywhere in the United States, begins the following fall. Later in the decade, Nobel laureate and peace activist Andrei Sakharov (above left) visits the academy.

OFF-CAMPUS PROGRAMS

Several outstanding off-campus programs are available to Andover's students. Phillips Academy tuition, fees and financial aid, however, do not cover the cost of these programs.

SCHOOL YEAR ABROAD

School Year Abroad, an independent program under the aegis of Andover, Phillips Exeter Academy, St. Paul's School and 27 other independent schools, offers to qualified uppers and seniors a full academic year of living and studying in China, France, Italy or Spain. While abroad, students live with host families,

participate in the activities of local athletic and social clubs

and pursue a course of study (both in English and in

Chinese, French, Italian or Spanish) under the supervision of teachers from Andover and other member schools

and native teachers. School Year Abroad offers travel and all college testing and provides full academic credit, permitting students to graduate from Phillips Academy with their own class. Andover students who wish to participate must consult with their advisers or the dean of studies. Financial aid is available. For more information, please call 978-725-6828.

SUMMER LANGUAGE PROGRAMS ABROAD

Summer study in Germany, Japan and Russia

With a grant from the Abbot Academy Association, the academy has instituted a three-year pilot program to support scholarships for 4-6 week summer immersion programs for 20-25 students per summer in the less commonly taught languages of German, Japanese and Russian.

Exchange in China

Approximately 10 Andover students participate every summer in a five-week exchange program with Da Tong High School in Shanghai or Renmin High School in Beijing.



A 30,000 square foot addition is added to the library in 1988. The library currently holds more than 102,000 volumes.



1991 sees the beginning of the \$5.3 million renovation of the art building. Now known as the Elson

Art Center, the complex is home to Kemper Auditorium, studios for painting, drawing, sculpture, photography and other art classes, the Palk Lillard Center for Video and Electronic Imaging, the updated Audio



Visual Center with two fully equipped multimedia classrooms; and display areas for student work.




SUMMER PROGRAMS

THE PHILLIPS ACADEMY SUMMER SESSION

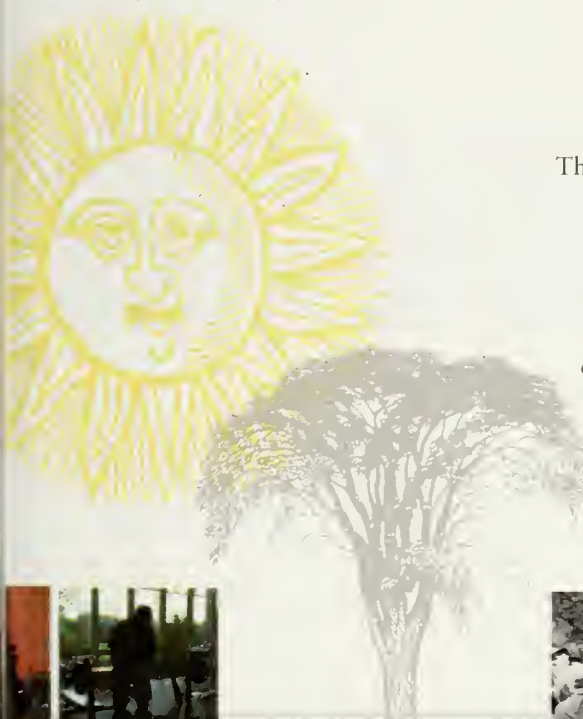
The Phillips Academy Summer Session offers its students academic and personal growth in a rigorous precollege setting. It provides demanding classes, invigorating afternoon activities, engaging trips to colleges, cultural and social activities, and comfortable dormitories that prepare students for collegiate residential life. More than 60 courses are offered in literature and writing, the visual arts, music, languages, computer science, mathematics, the natural sciences, philosophy, the social sciences and English as a Second Language. Opportunities are also available to pursue private music lessons. The average class size is 14. Applicants must be graduates of the eighth, ninth, 10th or 11th grade with a strong school record and a serious desire to spend the summer in challenging, disciplined study. Financial aid is available. Phillips Academy students may enroll in summer enrichment classes. Please call or write:



75



The Phillips Academy Summer Session
Phillips Academy
180 Main Street
Andover MA 01810-4161
Telephone: 978-749-4400
e-mail: summersession@andover.edu
www.andover.edu/summersession



The William W. Rosenau Fitness Center opens in 1992.

The Life Issues course is added to the curriculum for lowers, and the science and arts diploma requirements are increased in 1993.



In 1994, Barbora Landis Chose becomes the 14th head of school, the first woman to hold the position.

"Our students will need courage and compassion, a sense of balance and of humor, a commitment to work and to their families, a sure sense of themselves and a deep commitment to the community. They will need knowledge and goodness."

—Barbara Landis Chase
Investiture Address

The following summer program is not available to Phillips Academy students enrolled in the academic year program but may be of interest to applicants

(MS)² MATH AND SCIENCE FOR MINORITY STUDENTS

The (MS)² program—Math and Science for Minority Students—offers mathematics and science instruction for five weeks during three consecutive summers to African-American and Latino students who attend public schools in selected urban centers and to Native-American students from any reservation in the United States. Ninth grade boys and girls are selected on the basis of their superior ability and strong interest in mathematics and science, as well as financial need. The goal of the (MS)² program is to prepare deserving students to graduate from selective colleges and for careers in mathematics, science, engineering and related technical fields. Students enrolled in yearlong programs at independent boarding schools such as Phillips Academy's are ineligible to attend (MS)². Please call or write by Dec. 15:

(MS)²

(MS)² Program

Phillips Academy

Andover MA 01810-4161

Telephone: 978-749-4402

e-mail: MS2@andover.edu

www.andover.edu/MS2

新 春

School Year Abroad, long established in France and Spain, opens a similar program in Beijing, China in 1994. The program was founded by Andover, Exeter and St. Paul's School.



THE WORLD COMES TO ANDOVER

Prominent and accomplished visitors deepen the Andover experience.



Endowed lecture funds at Andover bring exciting artists, authors, journalists, poets, performers, scientists and speakers to campus for community concerts, lectures, readings and events every year. A number of these guests take part in intimate master classes with students, critiquing student work and offering their knowledge and insight. The following is a partial list of guests who have visited in recent years.



77

Jonathan Alter '75

Senior editor/reporter *Newsweek* magazine

Julia Alvarez '75

Navelist

Bill Belichick '71

Head coach, New England Patriots, two-time Super Bowl Champs

H.G. "Buzzy" Bissinger '72

Pulitzer Prize winning journalist



Archbishop Desmond Tutu



Bill Belichick '71



George Bush '42

Trisha Brown

Award winning dancer/choreographer

George Bush '42

41st president of the United States

Lincoln Chaffee '71

U.S. Senator (R-R.I.)



McKeen Hall on the Abbot campus is renovated in **1989**. Restoration of the remaining two buildings on the Abbot Circle, Droper and Abbat halls, begins in

1995, creating the following spaces: the Broce Center for Gender Studies, 12 faculty residences, office space for an outreach program and administrative departments, and an apartment for the visiting artist-in-residence.



In **1996**, the town of Andover celebrates its 350th birthday.

In September **1996**, Andover's second Faculty Steering Committee, appointed by head of school Chose, issues its report of the school's educational vision for the 21st century.

Barney Frank

U.S. Congressman (D-Mass.)

Rev. Peter Gomes

Plummer Professor of Christian Morals at Harvard

Gloria Groves

Acclaimed mezzo-soprano opera singer

Henry Louis Gates Jr.

W. E. B. Du Bois Professor of the Humanities
and director of the Du Bois Institute
for Afro-American Research at Harvard

Billy Collins

Former U.S. poet laureate



Gloria Groves



Rev. Peter Gomes



Barney Frank



Seamus Heaney



Peter Jennings performing on stage

Seamus Heaney

Nobel Prize-winning poet

Peter Jennings

ABC news anchor, author

Bill T. Jones

Choreographer, dancer

Ha Jin

Award-winning writer, poet

Wynton Marsalis

Grammy Award-winning jazz performer



The Brace Center for Gender Studies opens in 1996 in historic Abbot Hall as a place to study and understand gender issues within the framework of a coeducational institution.

The Board of Trustees in October 1996 approves a strategic plan for the school. One of the plan's goals is to reduce the student body from nearly 1,200 to 1,050 over four years.

Yo-Yo Ma

Grammy Award-winning cellist

Bobby McFerrin

Vocalist, performer

Odetta

Folk singer

Amartya Sen

Nobel Prize winner in economics

Frank Stella '54

Abstract artist

Evan Thomas '69

Assistant Managing Editor *Newsweek*



Newton Maxwell



Yo-Yo Ma



Odetta



Frank Stella '54



Evan Thomas

Archbishop Desmond Tutu

Nobel Peace Prize-winning activist against apartheid

Derek Walcott

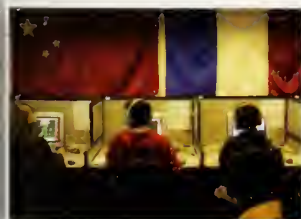
Nobel Prize-winning poet and playwright

James Watson

Nobel Prize-winning co-discoverer of DNA

Cornel West

Cultural critic, professor of religion, Princeton



In 1996, The Language Learning Center is created for students studying foreign languages. It is the first all-digital language lab facility in the

country offering access to real-time video and audio files as well as data over the network.



The student literary magazine, *The Courant*, is voted a first prize by the American Press Scholastic Association in 1996. *Backtracks*, the general interest non-fiction student magazine, wins a second prize in the same competition.



"What I love about Andover is its size. It has a large student population compared to other prep schools, and yet it manages to maintain an incredible sense of community."

—Sarah Takvorian '06, Concord, Mass.

In 1997 the average is approximately one teaching faculty member for every seven students



The rededication of the Abbot Circle takes place on May 3, 1997, marking the beginning of a new era in the history of that physical space



In May 1997 the Andover baseball team is invited to play against Exeter on historic Doubleday Field in Cooperstown, N.Y.

In fall 1997, a new advising system is implemented, fulfilling the first of the Steering Committee Report's recommendations.



"Of all the challenges of coming here, the hardest aspect was leaving home. Although I have sorely missed my family and friends, as well as the culture that I grew up in, I am glad that I have been through it because I now appreciate them so much more than I used to."

—Alice Campbell '05, Nashville, Tenn.

Summernet

In summer 1997 the admission office initiates *Summernet*, a summer distance-learning program over the Internet for new ninth- and 10th-graders.



In 1998, Andover celebrates the 30th anniversary of the school's African-Latino American Society and the 25th anniversary of coeducation on campus.

During fall 1998, Nobel laureates Seamus Heaney and Derek Walcott and renowned artist Frank Stella (PA '54) spend time on campus working with students in poetry, theatre and art.

In spring 1999, Nobel laureate James Watson speaks to students about his discovery of the structure of DNA, and Pulitzer Prize winner Buzzy Bissinger (PA '72) receives the Kayden Visiting Fellow Award in Journalism.

April 24, 1999
Andover kicks off *Campaign Andover*, the largest fund-raising drive in secondary school history, to raise \$200 million in support of scholarships, salaries, technology, resources and campus improvements.

BEAT
EXETER



PART FOUR: STUDENT LIFE



INTRODUCTION



What makes Andover such a terrific place? The students—their energy, their optimism, their willingness to learn new things and their varied backgrounds.

83

Students come to Andover from Brooklyn and Beijing. Some are conservative, while others are liberal. They represent a variety of religions and cultures. We have students with special talents in areas ranging from math to theatre and from sports to music; some arrive with demonstrated abilities in all areas, but many develop new interests while they are here. Our multifaceted adult community offers Andover students the opportunity to meet others who can share their interests and appreciate their strengths while providing useful advice when they need it.

The school's cluster system, combined with our academic and psychological counseling services, our Office of Community and Multicultural Development, our chaplains and our health center, enables Andover to provide extensive opportunities for support and guidance. We offer a rich residential curriculum of programs dealing with such issues as health and wellness, interpersonal relationships, drug and alcohol use, human sexuality and racism. We also take care to maintain a low student-faculty ratio in the dormitories, so house counselors can oversee their young charges while collaborating with each student's adviser as needed.

Andover's goal is to bring to campus talented students "from every quarter" who can enjoy the advantages of its size, while at the same time making each individual feel adequately supported and part of the community.



Pecos Indians exhumed during an expedition led by Andover

In May 1999, Andover's Robert S. Peabody Museum of Archaeology takes part in the repatriation and reburial of sacred artifacts and the remains of about 2,000

archaeologist Alfred V. Kidder from 1915 to 1929. It is the largest reburial of human remains ever to take place in the country.



In January 2001, George W. Bush, PA Class of 1964, is inaugurated as the 43rd president of the United States.

The Sound System
 Model 9
 # C1M6TKR
 Link
 System
 6 11/16 731 Rm
 7 11/16 16 Rm
 8 China



In spring
 2002, Andover
 celebrates opening of
 Phelps Stadium and the
 Harrison Rink.



In April
 2003 Andover celebrates
 its 225th anniversary and
 the 175th anniversary of
 the founding of Abbot
 Academy with music, colla-
 quia and festive food

The \$28 million Gellb Science
 Center opens in January
 2004, enhancing science
 teaching with
 state-of-the-art
 facilities.



FINE
 HIST
 TIME

RESIDENTIAL LIFE

In recent years, Andover has emphasized residential life as one of the school's top priorities. The school has lowered the student-faculty ratio in dormitories by reducing the size of the student body and by creating additional faculty apartments in the dorms. The school has also enhanced its advising system. The academy's goal has been to enrich the interaction between house counselors and students and provide adult support for each student outside the classroom. Additionally, the academy has made a substantial commitment to the renewal of its campus facilities, spending more than \$27 million on dormitory improvements since 1993.



85

The Clusters

The cluster system is the heart and soul of Andover's community life. All students at Andover—boarders and day students—are assigned to one of the school's five clusters, which function as small communities within the academy. Dormitories are assigned to clusters according to their geographic neighborhood; each cluster includes girls' and boys' dorms, about 220 day and boarding students from most classes, and 40 faculty families. Clusters create the personal atmosphere of a neighborhood in which people get to know each other through living together and sharing in cluster functions.

The dean of students oversees the five clusters, each of which is supervised by a cluster dean who knows all the students in the cluster, works closely with student leaders, and is available to students and parents for information and advice. Clusters do not affect students' classes, their extracurricular activities or interscholastic sports, but student orientation, intramural sports, weekday social functions, Blue Key spirit activities and discipline are all organized by cluster.

Dormitories

Boarding students live in boys' or girls' dormitories with house counselors and their families. The dormitories vary in size, housing from four to 40 students. One faculty family is in residence in the smallest dormitories; large dormitories have as many as four faculty residences. All living arrangements encourage close relationships among students and between students and house counselors. Parents can easily keep in touch with students. Each boarding student has a private telephone with voice mailbox as well as an e-mail account and in-room high-speed Internet access. Day students have e-mail accounts and voice mailboxes. All students can receive U.S. mail and package delivery through their student mailboxes in George Washington Hall. One-third of the

boarding students live in single rooms, two thirds in double rooms. Because students benefit from knowing members of all classes, most dormitories house lowers, uppers and seniors. Juniors, the youngest students, benefit from extra supervision and guidance and so live together in dormitories with special study and lights out policies.



NINTH GRADERS: JUNIORS

Andover's ninth-graders (juniors) enjoy the support of an academic and residential program specially crafted for their class. A coordinated approach permits classroom teachers, house counselors and advisers to confer and plan as they address these young students' needs and encourage their growth. Each junior day student is assigned to a faculty member who serves as the student's adviser throughout the student's Andover career, providing continuity and support as the student matures. Junior boarding students live in designated junior dormitories with house counselors who monitor their progress carefully and with upper or senior prefects who have been selected because they are role models for good study habits, self-confidence and community spirit. For ninth-grade boarding students, advisers are assigned by dormitory. At dormitory meetings, juniors explore topics, ranging from study skills and time management to community living and goodness, that help Andover's youngest students adjust to living away from home. With this foundation beneath them, junior boarding students move in the 10th-grade year to upper class dorms where, along with a house counselor, each is paired with a permanent faculty adviser who sees him or her through the Andover career.

Brave, but with effort, had the school-boy come
To the cold comfort of a stronger's home;
How like a dogger to my sinking heart
Came the dry summons, "It is time to part;
Good-by!" "Goo—ood-by! one fond maternal kiss ...
Homesick as death! Was ever pang like this? ...
Too young as yet with willing feet to stray
From the home fireside, glad to get away, —

From *The School-Boy*
by Oliver Wendell Holmes

*"Finis Origine Pendet—
The end depends upon the
beginning. I think of this
motto when I think of our
focus on the juniors. They
are at the beginning of
their time here, and the
faculty feel so strongly our
responsibility to ensure it's
the best beginning it can be."*

—Paul Murphy
Instructor in Mathematics;
Dean of Flagstaff Cluster

RESIDENTIAL EDUCATION AND SUPPORT

Andover takes seriously its responsibility to help students maintain a healthy lifestyle and has developed several specific programs to address alcohol and drug use, human sexuality, nutrition and body image and many other issues that concern young people today. Some of the programs are required, some are voluntary; all are for boarding and day students alike.

Each fall, all new students attend four basic classes in alcohol- and drug-use prevention; all returning students choose from more than 30 related workshops given by the Freedom from Chemical Dependency Foundation.

Every student also attends Martin Luther King Jr. Day seminars in January and AIDS education workshops in the spring. All lowers (10th-graders) participate in the once-weekly, two-term *Life Issues* course "Living and Learning in a Multicultural Community." Topics in the course include friendship, identity, drugs and alcohol, sexuality, gender and racism.

The Brace Center for Gender Studies, the Women's Forum and the Date Rape Prevention Team offer programs designed to educate the community on gender issues. Those wishing to explore the issues of racism can join SARC (Students Against a Racist Community). Other student-run organizations and support groups deal with such important issues as body image and the aftermath of divorce.

The residential education program is challenging and helpful to Andover's students during their years at Andover and, they say, when they leave for other settings as well.

ISHAM HEALTH CENTER

Phillips Academy employs a full-time physician/medical director who is Board-certified in pediatrics and pediatric endocrinology, a licensed nurse-practitioner and 11 registered nurses to staff Isham Health Center. The health center, with 20 beds, is open 24 hours a day while school is in session. Services provided by Isham include lab work and X-rays, a pharmacy, nutrition counseling with a dietitian, and scheduled clinics for orthopedics/sports medicine, dermatology and psychiatry. The Isham staff maintains close association with approximately 60 medical and dental specialists in the Andover and Greater Boston communities who are readily available for consultation. Isham Health Center also welcomes requests for follow-up and continuing care from students' home physicians.



GRAHAM HOUSE COUNSELING CENTER

Graham House houses two of the academy's important support services. On the first floor, licensed psychologists provide counseling to students, consult with faculty and staff, offer specialized workshops on health and human issues, and teach courses on psychology. On the second floor, the Academic Support Center faculty offer students transitional help with study, time management, and organizational skills and administer the peer tutoring program.

THE CAMPUS MINISTRY

The interfaith ministry of Andover seeks to be responsive to the spiritual needs of the school community. The chaplaincy consists of clergy from Protestant, Roman Catholic and Jewish traditions and also assists students from other backgrounds to meet their religious needs.

Each week, the religious communities gather for worship and fellowship. In addition, Andover marks major religious holiday traditions and values through services and celebrations. The chaplains also encourage the community to grapple with concerns about hunger, peace and justice.

Various traditions are represented by student clubs, including the Christianity Happening in Living Life (CHILL) (Protestant), the Catholic Student Fellowship, the Jewish Student Union, the Muslim Student Union, the Hindu Student Union, and the Fellowship of Christians in Universities and Schools (FOCUS).

RULES AND DISCIPLINE

Honesty and respect for self and others are principles that guide expectations for interactions among all members of the Andover community. *The Blue Book* outlines behavioral guidelines, policies and rules. Students should know and comply with these rules.

When a student violates a school rule, a hearing is conducted by a disciplinary committee made up of members of the student's residential neighborhood, known as a cluster. In this way, faculty members and students most familiar with the student investigate the infraction and determine an appropriate disciplinary response. We believe developing adolescents can learn from their mistakes. Therefore, we practice a second-chance system that allows students who commit a major rule violation to remain at school so long as they demonstrate a willingness to follow rules in the future. However, serious offenses involving a student's integrity or social offenses that threaten the well-being of individuals or the school community may lead to immediate dismissal.

THE OFFICE OF COMMUNITY AND MULTICULTURAL DEVELOPMENT



In keeping with the school's *Statement of Purpose*, the mission of the Office of Community and Multicultural Development is to raise awareness and encourage sensitivity to differences of race, ethnicity, religion, gender, socioeconomic class, geographical origin and sexual orientation.

The office sponsors workshops, lectures and educational programs for the entire Phillips Academy community and contains a small library and reading area. The dean, student advisers and program coordinators provide support to individual students and student groups. The office is also the home base for Diversity Alliance, a collective of student leaders and faculty advisers of campus cultural clubs.

Learning takes place differently for each person within this complex and diverse community. Students and faculty benefit from attending our many organized cultural celebrations, lectures and workshops throughout the year. Sometimes the most intense learning comes in informal conversations sparked by community or societal issues.

Students learn that through investigation and greater understanding of experiences outside their own they are better prepared to come to a greater understanding of themselves. We have an obligation to assist in their awareness of an ever-evolving world and the role they can play in making a difference.

Special Events

Asian Arts Festival
Black Arts Celebration
Community Service
Celebration Day
Community Service
Public Service Speaker Series
Divali
Gay Pride Celebration
GeagraBee
Oxfam Benefit Auction
International Festival
and Dance
International Women's Day
Jewish Cultural Weekend
Kwanzaa Celebration
Latina Arts Celebration
Martin Luther King Jr. Day
Tongues of Hope
Warship Service





DAILY LIFE

Andover operates on a trimester system. The year begins in early September and ends in June, with breaks in December and in the early spring. Students normally have four or five class meetings per day. Classes are held on Monday through Friday with shortened class days on Wednesday morning and classes on selected Saturday mornings in the fall and spring terms. Classes do not meet on Sunday.

The weekly schedule provides time for independent study, rehearsals and sports, for informal visits to the museums and for extracurricular activities.

All students participate in athletics four afternoons a week; in addition, interscholastic competitions are held on Wednesday and Saturday afternoons.

All students also spend about two hours each week in the school's work program, which is designed to instill a sense of community responsibility for the daily operation of the school, to remind students of the practical elements of life beyond academia and to help the school reduce its operating costs. Students share the jobs of cleaning the dormitories' hallways and common rooms and helping in classrooms, offices and laboratories.



HOMEWORK

Academic course work is intensive and involves about 20-25 hours outside-of-class preparation each week. On nights before classes, formal study hours begin at 8 p.m., at which time students must be signed in to their dormitories or an academic area on campus. By 10 p.m. (9:30 p.m. on Sunday and Thursday), students must be studying in their dormitories and signed in for the night.

Despite the amount of time that must be spent on academic pursuits, most students become involved in extracurricular activities and social events. By allowing students to make some choices about how they spend their time, Andover encourages independence and personal responsibility.

WEEKENDS



Social events during the week are limited by the demands of the academic program, but the weekend program on campus is exciting and varied. Weekend activities include theatre and musical performances, dances, concerts, coffee houses, lectures, movies, art exhibitions, plays and informal activities. Day students may attend all of these events and are permitted, with their parents' and the house counselor's permission, to sleep over at a friend's dorm; similarly, boarders, with proper permission, may sleep over at a day student's home.



DRESS CODE

Andover does not have a formal dress code, but students are expected to be neat and clean and to dress appropriately for each occasion.



MEALS

Meals are served in Commons, a central dining hall comprised of four handsome, traditional dining rooms and four modern serving areas. Several entrees, a pasta bar and salad bar, and homemade bread and soup are available daily. The cost of meals is included in the tuition of both boarding and day students.

"Commons offers a lot of options, especially for people who like to eat well. They always have fresh fruit and a well-stocked salad bar. Wednesday nights are make-your-own-sundae nights with both ice cream and frozen yogurt. My favorite meal, though, is when they serve chicken nuggets at dinner."

—Rhiannon Blaseg '04, Livingston, Mont.





THE DAILY SCHEDULE

7:15 a.m.	Commons opens for the day
8 a.m.	Classes begin
9:45 a.m. —	Conference Period Mondays and Tuesdays (for individual student-teacher conferences)
10:15 a.m.	
10:10 a.m. —	Student-teacher conference period on Thursdays
10:40 a.m.	
9:45 a.m. —	Conference Period Fridays for
10:15 a.m.	Biweekly academic advising meetings
11:30 a.m.	Commons begins serving lunch
3 p.m. —	Athletics and Community Service
5 p.m.	
4:50 p.m. —	Additional academic period for some students
5:35 p.m.	not involved with interscholastic sports
5 p.m.	Commons begins serving dinner
6:20 p.m. —	Co-curricular programs
7:50 p.m.	(club meetings, music and drama rehearsals, publications, etc.)
8 p.m.	Underclass students in their dormitories or doing academic work in the library, language lab, art studio, music building, writing center, science study hall or math study hall
10 p.m. (Mon., Tues., Wed.);	Dorm sign-in for all students on week nights. (During 5-day weeks, Friday evening sign-in is 10 p.m. for underclass students, 11 p.m. for seniors. Saturday evening sign-in for all students is 11:30 p.m.)
9:30 p.m. (Sun., Thurs.)	
11 p.m.	Lights out for juniors Lowerers are to be in their own rooms During the fall term, uppers are expected to be in their own rooms

The daily schedule includes a once-a-week double academic period for most classes and a weekly off-school meeting on Wednesdays.



THE DAILY BULLETIN

OCTOBER 29

ADMINISTRATIVE CLASS SCHEDULE

TODAY, classes meet according to a regular **MONDAY** schedule with **MONDAY** classes.

STUDENT LIFE

ABBA LOVERS USA

or GSA, sans LTA, we're going to Bertucci's this week. Bring your friends. "Play that funky music..."

AMNESTY

TODAY, our weekly meeting will be held in the Underwood Room from 5:30-7 p.m. Write a letter, save a life! Everyone is welcome.

BULLETIN NOTICES

Your notices for the Daily Bulletin may now be forwarded directly to the dean of students office by simply e-mailing to the following address: bulletin. We hope this will expedite your notices as well as help in our efforts to conserve paper. Any questions, please contact Ms. Saladini at 4178.

BUS

TO NYC AND CT, URGENT: For Thanksgiving Holiday - sign up this Thursday in Steinbach Lobby at 9:45-10:15 a.m. - conference period only. First come, first accepted. If insufficient signups, bus will be canceled so, sign up **NOW** or Dickie will have to cancel the bus. Questions? See Dickie.

CHAPEL COUNCIL

CHESS CLUB

DRIVER'S ED

meets Tuesdays in Rose Room (Commons, upper right, next to Ropes). Major planning and input. meets this Wednesday, 6 p.m., in Sam Phil 13. Free pizza as always.

The final day to sign-up for Driver's Ed for the school year will be this Wednesday. Classes are held in Kemper Auditorium from 6:30-8 p.m. each Wednesday. Questions? See Mrs. Benedict in the dean of students office.

FCD WEEK

NOVEMBER 11-14; all returning students (and new seniors) will receive an FCD (Freedom from Chemical Dependency) Week Workshop sign-up sheet. Please read carefully, and return choices to dean of students office by November 1.

FACULTY, STAFF

AND PARENTS SAVE MONEY! Entertainment books are being sold on campus until the end of the term for \$30 (\$6 goes to the Prom). See anyone at Student Activities or call 4183. When finals end, so does this offer!

FOCUS

FREE CDs

Movie this Friday at 6:45 p.m. in 1924 House. "The Hiding Place" will be shown. Come and enjoy! Tune in to WPAA, 91.7 FM, every Wednesday night at 11 p.m. for **Electrochemical Rock**. It's your chance to win free CDs as well as experience the best new and classical rock.

GERMAN TABLE

JSU DINNER MEETING

JUGGLING CLUB

JUNIOR MOVIE TRIP

MATH CLUB

Deutscher Stammtisch is **canceled for today** due to Senior/Faculty Dinner.

Every Tuesday 5-6 p.m. in the Blue Room. Newcomers are always welcome.

will meet on Wednesday at 4:30 p.m. on the lawn in front of Sam Phil.

this Friday. \$5.00 gets you movie and bus! You must sign up in Student Activities.

meets this Wednesday at 6:30 p.m. All are welcome. We're preparing for the second round of the New England Math League. We're currently first.

MODEL UN

holds short meetings every Wednesday at 7:15 p.m. in Morse Hall. In February we go to Georgetown in Washington, D.C., for a conference with thousands of high school students from around the country. New members are most welcome.

NATIVE AMERICAN

CULTURE CLUB meeting will be held at 6:30 p.m. in the Peabody Museum on November 4. We will be showing a movie and discussing Native issues. Refreshments.

OXFAM INTERNATIONAL

ROCK ON

Wednesday, 6 p.m., in the Rose Room of Commons.

Listen to **Rock On** every Thursday at 5 p.m. on WPAA, 91.7 FM. Great music and free gift certificates. Tune in!

THE BEST SHIRT!

Blue Key is selling an **AWESOME** shirt, Tuesday and Wednesday **ONLY**. On the back: "EXETER" with "What's Hot: not much" and "What's not" with a very funny long list. The front has a large "A" with "It's all good." Sleeve has "Andover/Exeter." See/order shirts at lunch, dinner, conference and Student Activities (\$10 short sleeve, \$14 long sleeve).

WIN A \$20,000

COLLEGE SCHOLARSHIP: Stop by the Community Service Office or the College Counseling Office for an application for a REACT magazine "Take Action Award."

SUMMER OPPS

INTERIM YEAR OPTION

Americorps-year: Seniors: Toya Hampton, a representative of Americorps, will be in Commons **TODAY**, 5-6:30 p.m., to talk to interested students about a 10-month service program for a PG year before college. Take time to stop and chat with her.

ATHLETICS

INDOOR TRACK

Organizational and informational meeting in Sam Phil 12 at 5:45 p.m., Thursday. Anybody interested in track is welcome. **Sprint, don't Saunter!**

NORDIC SKIING (X/C)

Mandatory meeting at 5:30 p.m., Wednesday in Ropes, Commons. For returning skiers and anyone new who is interested. Contact Ms. Carlisle if you have questions.

WRESTLING

The preseason meeting will be held **TODAY** at 6:30 p.m. in Borden. All who are thinking about wrestling should come; girls are welcome. Bring shorts and a t-shirt. If you can't make it, call Andy (6904).

EXTRACURRICULAR ACTIVITIES

Extracurricular activities are an important aspect of a student's education, and Andover offers a rich fare thanks to the range of interests among the student body. The Andover Ambassadors handle the responsibility of conducting campus tours for the admission office, and older students who are members of the Tutorial Program offer academic help to fellow students. The student radio station, WPAA, audio-streams programs daily, serving the student body. *The Phillippian* is the academy's prize-winning, student-run weekly newspaper. Students write the articles and headlines, take the pictures and lay it out. The school yearbook, *Pot Pourri*, the literary magazine, *Courant*, plus half a dozen other student publications provide more opportunities for those with a literary bent. Cultural and religious organizations abound, as do theatre and music clubs and course-related groups such as the *Cercle Francais*, Andover Latin Society and Philomathean Society. In fact, there is no limit to the variety of organizations or the enthusiasm of their members, and students who do not find an existing club or organization that meets their needs are encouraged to start one.

STUDENT ORGANIZATIONS

Members elected:

Blue Key Society
Student Council

OPEN TO ALL:

A La Carte
ADAAC (Andover Drug Alcohol
Awareness Committee)
AF-LatAm
Africa Outreach
Amnesty International
Andover Ambassadors
Andover Anim
Andover Barbeque Society
Andover Bowling & Bocce
Andover Croquet Club
Andover Economics Society
Andover Fencing Club
Andover Investment Club
Andover Japanese Connection
Andover Korean Society

Andover Snowboarding Society
Andover Taiko Drumming
Andover Young Democrats
Andover Review
Architecture Club
Art Club
Asian Society
Attack/Counterattack
Azure a Cappella
Backtrack
Badminton Club
Blue Key Society
Capture the Flag
Catholic Student Fellowship
Chess Club
C.H.I.L.L. (Christianity
Happening in Living Life)
Chinese Language Club
Chinese/Taiwanese Student Assoc.
Club Francophone

Computer Science Club

Courant

Craft Club

Diplomacy

Eco-Action Group

Engineering

Falling Eights

Foro Italico

Frisbee Golf

Frontline (politics)

Gay/Straight Alliance

German Club

Halo Club (A video game club with
Microsoft Xbox, Ryley Room)

Hindu Student Union

Hippocratic Society

Hue and Sable (arts)

In The Mix

Indo-Pak Society

International Society

Jewish Student Union

Junior State of America

Martial Arts

Math Club

The Megaphone

Model United Nations

New Andover Film Society

Off-Tang Troupe

OXFAM

P.A.E.C.S. (PA Environmental
Conservation Society)

P.A.P.A.A. (PA Partnership AIDS
Awareness)

PA Cricket Club

PA International Relations Symposium

Panel One

The Phillipian

Philomathean Society (debate)

P.H.I.T. (Physical Health
Information Team)

Pot Pourri

Quake (Quaker club)

Republican Club

Rock Climbing Society

R.I.O.T. (Rape Intervention Outreach
Theatre)

The Russian Club

S.A.R.C. (Students Against
a Racist Community)

Science Team

Southern Club

Swing Dancing

Table Tennis

Techmasters

Under The Bed Improv

Women's Forum

WPAA Radio

Yorkies (Men's *a cappella* singing group)

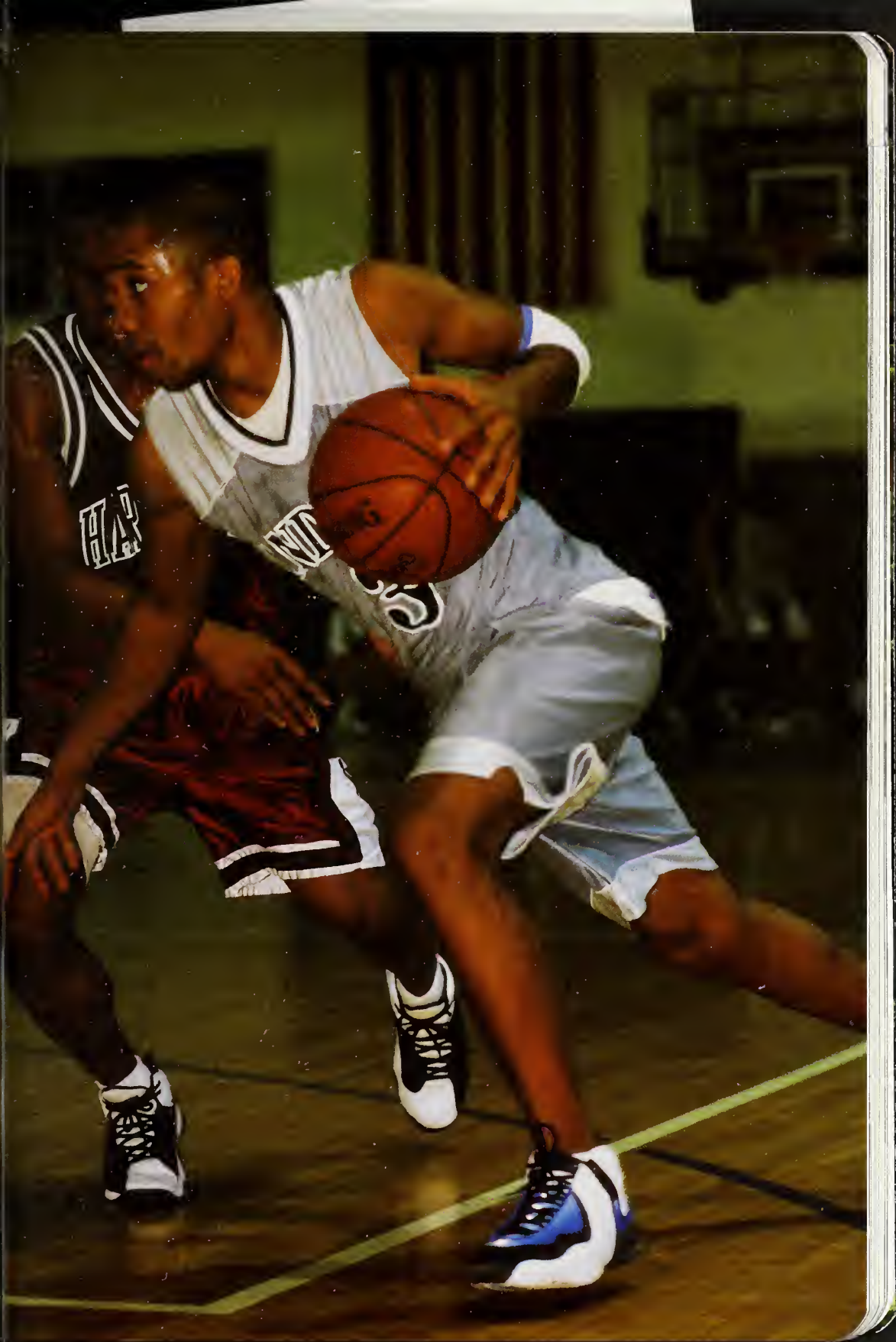
Young Women's Book Club













PART FIVE: ATHLETICS

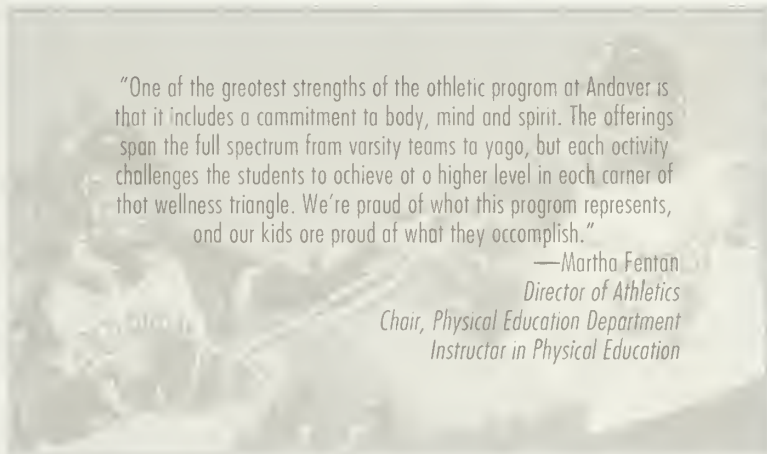


101

In keeping with Andover's commitment to provide a depth and breadth of choices to our students, the athletic department offers dozens of sports, dance and exercise options at every level of instruction. Our competitive athletes work with coaches widely recognized as among the best in secondary school education, and they face rigorous interscholastic competition from other prep schools and from Boston-area colleges. The training room is fully staffed with three certified athletic trainers who work with the school physician and the staff at Isham Health Center. Our recreational athletes have as options not only intramural and instructional sports, but such special programs as Search and Rescue, classical ballet, basics, modern dance, yoga and aerobics. All lowers (10th-graders) also take one challenge-based physical education course five hours a week for one term. These students are tested for physical aptitude and instructed in safety, health and exercise physiology, learn drown-proofing, master a ropes course and gain the information and skills they will need to maintain lifetime wellness.

"One of the greatest strengths of the athletic program at Andover is that it includes a commitment to body, mind and spirit. The offerings span the full spectrum from varsity teams to yoga, but each activity challenges the students to achieve at a higher level in each corner of that wellness triangle. We're proud of what this program represents, and our kids are proud of what they accomplish."

—Martha Fenton
Director of Athletics
Chair, Physical Education Department
Instructor in Physical Education





"The athletic facilities at Andover are outstanding. I enjoy having practices every day right after classes, getting plenty of ice time in hockey on the new Harrison Rink. The new stadium is a real thrill to play in, too. Students here have spirit unlike any other student body I have ever seen, and I enjoy playing for a big crowd, especially on Andover-Exeter Day, and cheering for my friends as well."

—Robert Spang '05, Wakefield, Mass.



Andover's athletic facilities are among the finest in the country and include 18 playing fields and 18 tennis courts; the Phelps Stadium, the Sarata Track, three gymnasiums with swimming and diving pools, basketball and squash courts, two dance studios, wrestling room, Phelps Park, baseball field, and state-of-the-art Rosenau fitness center; the Case Memorial Cage with its indoor track; twin ice rinks; and the James C. Greenway bathhouse on the Merrimack River.

OFFERINGS OF THE ATHLETIC PROGRAM

Similar to the breadth and depth of academic offerings at Phillips Academy, our athletic program is one of the most extensive in secondary school education. Below is a comprehensive listing of the current offerings.



104

Fall

Basic Fitness
 Cluster Soccer
 Instructional Crew
 Instructional Fencing
 Instructional Skating
 Instructional & Recreational Squash
 Instructional Swimming
 Instructional & Recreational Tennis
 Yoga
 Spirit Leaders of Andover Madness
 Dance
 Search & Rescue (Co-ed)
 Cross Country (BV, BJV)
 Cross Country (GV, GJV)
 Football (BV, BJV)
 Field Hockey (GV, GJV, GJV2)
 Soccer (BV, BJV, BJV2)
 Soccer (GV, GJV, GJV2)
 Volleyball (BV, GJV)
 Water Polo (BV)

Winter

Basic Fitness
 Cluster Basketball
 Senior Squash
 Recreational Nordic Skiing
 Yoga
 Spirit Leaders of Andover Madness
 Dance
 Search & Rescue (Co-ed)
 Basketball (BV, BJV, BJV2)
 Basketball (GV, GJV, GJV2)
 Hockey (BV, BJV)
 Hockey (GV, GJV)
 Nordic Skiing (BV & GV)
 Squash (BV, BJV, BJV2)
 Squash (GV, GJV, GJV2)
 Swimming & Diving (BV, BJV)
 Swimming & Diving (GV, GJV)
 Indoor Track (BV, BJV)
 Indoor Track (GV, GJV)
 Wrestling (BV, BJV)

Spring

Basic Fitness
 Ultimate
 Cluster Ultimate Frisbee
 Senior Tennis
 Instructional Fencing
 Instructional Tennis
 Instructional Skating
 Instructional Squash
 Instructional Swimming
 Instructional Volleyball (GV)
 Yoga
 Tai Chi
 Dance
 Search & Rescue (Co-ed)
 Baseball (BV, BJV, BJV2)
 Softball (GV, GJV)
 Crew (BV, BJV)
 Crew (GV, GJV)
 Cycling (Co-ed V)
 Golf (Co-ed V)
 Lacrosse (BV, BJV, BJV2)
 Lacrosse (GV, GJV, GJV2)
 Tennis (BVA, BV B, BJV)
 Tennis (GVA, GAB, GJV)
 Track & Field (BV, BJV)
 Track & Field (GV, GJV)
 Volleyball (BV)
 Water Polo (GV)



The immortal boy, the coming heir of all
Sprints from his desk to "urge the flying ball,"
Cleaves with his bending oar the glassy waves,
With sinewy arm the dashing current broves
The some bright creature in these hounds of ours
That Eton shadowed with her "antique towers."

From *The School-Boy*
by Oliver Wendell Holmes



"Crew has been a monumental element of my PA experience. Four years ago, I approached Coach 'Luc' Green about coxing, which is the job of steering and calling commands to rowers. Rising from coxswain-in-training to varsity boat, I have learned about and oftentimes felt first-hand leadership, teamwork, commitment, intensity and resilience."

—Josephine Duh '04, Amherst, N.H.



PART SIX: THE ARTS

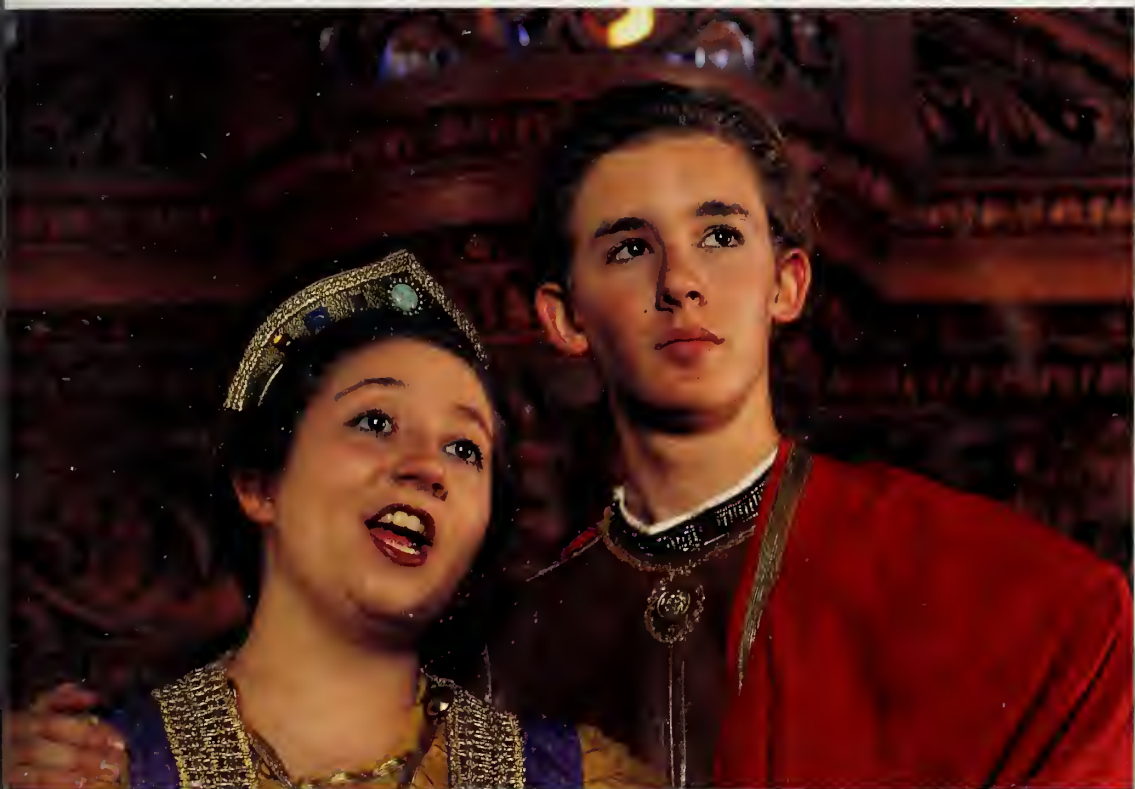


he arts in all their forms are at the heart of Andover life. Students, faculty and visiting artists study, create, rehearse and perform 60 musical concerts, 8 to 10 major theatrical or dance concerts with sets and costumes, and 30 smaller theatre or dance productions each year, as well as present a student art show each term.

In classes, students study the theory and history of music, art, theatre and dance and take such courses as drawing, design, painting, ballet, modern dance, directing, technical theatre, sculpture, photography, printmaking, architecture, filmmaking, ceramics, computer graphics, chamber music, electronic music and jazz. At the Addison Gallery of American Art and the Peabody Museum of Archaeology, students find inspiration in the museums' treasures and in the advice offered by visiting scholars and artists. And in their free time, the students make extensive use of the rehearsal rooms, studios, darkrooms and theatres of George Washington Hall, Graves Hall and the Elson Art Center, pouring their music, voices and laughter over a campus enlivened immensely by their robust creative energy.







"It's impossible to say the most difficult piece the students performed recently. We did perform Felix Mendelssohn's oratorio Elijah, so anyone who's reading this will know the kind of music we're doing. Rasaan Ogilvie sang a number of solos in it, and also performed the role of Jim in the musical Big River. His specialty is singing; he's a baritone and a young man who's destined to distinguish himself nationally and internationally. It's exciting to have talent of this sort at a high school, and we have a lot of it! Why, there's Charlene and Jennifer and Nathan and Abigail and Rachel and Adam and Drew, and, oh, the list goes on and on."

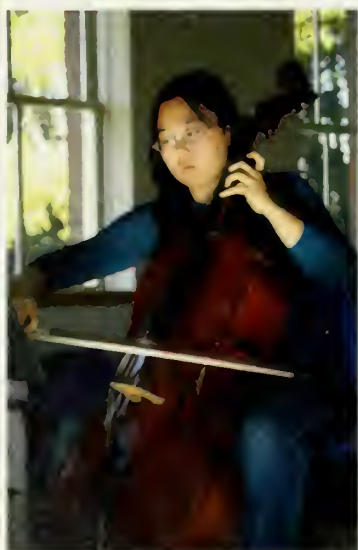
—William Thomas

Instructor in Music and Director of Performance

Elsan Artist-in-Residence Jim Hedges and the Addison Gallery recently received a first place prize from the American Association of Museums for the CD-ROM that documents the exhibition *Colorsound*. For the exhibition, Hedges invited 147 students from Phillips Academy and Lawrence High School to create a work that integrated music and a wall mural of color in the museum galleries.



The Cantata Choir consists of 60-80 singers and the Chamber Orchestra of 30 string players and additional winds.



The largest of the school's musical groups is the Symphony Orchestra, with 25 strings, 75 winds, brass and percussion. Recent performances include Rimsky-Korsakov's Scheherazade and Tchaikovsky's Esplendide, Tchaikovsky's Romeo and Juliet, William Elgar's Six's Afternoon Symphony, Ravel's Violin Tzigane, Shostakovich's Symphony #4 and Tchaikovsky's Symphony #5.





PART SEVEN: COMMUNITY SERVICE



113

Andover's nationally recognized Community Service Program provides opportunities for students to volunteer time working with public service agencies in the town of Andover and also in nearby Lawrence, North Andover, Boxford and Methuen. Born of a rich history of public

service at both Abbot Academy and Phillips Academy, the Community Service Program now involves more than 300 students each trimester.

Though giving one's time to better the community can be an end in itself, the program is designed also to be an effective method of experiential education—complete with learning goals, orientation, training and reflection. Our goals include teaching students about the social and political context in which their work and the agencies' work take place.

Students may volunteer once each term or several hours each week. They may take academic courses or independent study courses that include community service as an integral component, or they may volunteer for programs that meet in the afternoon, evening or on weekends. Flexibility in the schedule allows students to fulfill their athletic requirement at off-hours should they choose to volunteer in the afternoons, so community service opportunities are available even for varsity athletes and busy artists.

The Community Service Program has been developed so that, through active involvement, students learn more about the larger community and their potential in it. Inevitably, as they live up to the academy's motto, *non sibi* (not for one's self), they experience great personal growth while developing the knowledge, skills and commitment for a lifetime of effective participation in public life.



ONGOING PROJECTS

For an up-to-date listing of projects, please request a "People Book" or visit our web page at www.andover.edu



114

ELDERLY

Academy Manor Nursing Home

Mary Immaculate Restorative Nursing Home

Music for Life

SeniorNET

ENVIRONMENTAL

M.S.P.C.A.

Other student organizations

HEALTH

Corpus Christi AIDS Hospice

HOUSING AND HUNGER

Bread and Roses

Habitat for Humanity

Lazarus House

Spring Break Program

Walk for Hunger

Greater Boston Food Bank

Oxlam

NEW AMERICANS

Chinese Cultural Outreach

French 400: The Francophone Presence

Project V.O.I.C.E.

Social Science 420:
The Urban Studies Institute

Spanish 430: The Hispanic Presence in the USA

Spanish 530: Advanced Spanish Language in the Lawrence Community

POLITICAL ACTION

Project V.O.I.C.E.

Center for Global Justice

Other Student Organizations

Oxlam

Amnesty International

SPECIAL NEEDS

ARC

EMARC Swimming

Windrush Farm

Therapeutic Equitation

YOUTH

Addison After-School Art Club

Andover Lawrence String Program

Bancroft Elementary

Bread Loaf Pen Pal Program and Writing Workshop

The Children's Place at Phillips Academy

Community Day

Care Preschool

Community Day Care Latchkey

English 541: Writing Through the Universe of Discourse

Lawrence Boys' Club

Lawrence Girls' Club

Music Enrichment

PALS

Project V.O.I.C.E.

Science Club for Girls

Si Se Puede

Sports Clinics

SIS

Theatre Troupe

World Games

Youth Explorations in Science

SPECIAL EVENTS

Merrimack Valley Day of Service

Bread and Roses Picnic

City Year Serve a thon

Clothing, toy and food drives

Martin Luther King Jr. Day

Spring Celebration Day

Walk for Hunger

ON CAMPUS

The Children's Place

ESL Classes

Center for Global Justice

ACADEMIC COURSES

RELATING TO

COMMUNITY SERVICE

Art 460: Art in the Community

English 541: Writing Through the Universe of Discourse

Environmental Science 500:
AP Environmental Science

French 430:
The Francophone Presence

Psychology 420:
Introductory Psychology

Psychology 430:
Developmental Psychology

Social Science 420:
The Urban Studies Institute

Social Science 640:
Masculine/Feminine/
Human: Issues in
Gender Relations

Spanish 430: The Hispanic Presence in the USA

Spanish 530: Advanced Spanish Language in the Lawrence Community



Public and community service are integral to the educational mission of Phillips Academy. In accordance with the school's motto, *non sibi* (not for one's self), the Phillips Academy Community Service Program strives to:

- promote and provide structured opportunities for students, staff and faculty to engage in public service;
- foster collaborative relationships with individuals, organizations and schools that address problems and build upon assets of local and global communities;
- connect academic learning to community problem solving through the development of service learning courses in a variety of disciplines;
- inspire responsibility and personal growth by supporting volunteers, encouraging student initiatives and providing a comprehensive leadership education program; and
- motivate students to consider and act upon issues of social justice and civic responsibility and thus foster a commitment to a lifetime of effective participation in public life.

— *The Community Service Program Mission Statement*
written by the 1997-98 student coordinators and faculty advisory board.











"The science courses I took in middle school cannot begin to compare with the biology course I took at Andover. The obvious passion that Mr. Robinson has for his subject is inspiring. Every day, I was amazed by the variety and depth of the materials we explored in the lectures and lab work."

—Erika Roddy '07, San Francisco, Calif.



"Since arriving I have been fortunate to work with Dominican immigrants preparing for the citizenship exam, tutor third-graders, help to create civic awareness among eighth graders, aid the rehabilitation of severely brain damaged patients and ultimately serve as general coordinator of the school's community service program. The experiences have instilled in me a deep sense of obligation to work on behalf of the public good and have given me the skills to address issues of social justice in pursuit of a better world."

—Matthew Garza '04, Stockton, Calif.



PART EIGHT: ADMISSION INFORMATION

YOUTH FROM EVERY QUARTER



he school's constitution, written in 1778, states that Andover "shall be ever equally open to Youth of requisite qualifications from every quarter." With this principle in mind, the basic requirement for admission to Andover today continues to be evidence of sound character and strong academic

achievement. The school is especially interested in candidates who demonstrate independence, maturity and concern for others, in addition to high performance in studies and activities. Valuing diversity in its student body, the school seeks to bring together a community from all parts of the country and from many nations.

The school's endowment covers approximately one-third of the cost of an Andover education. Therefore, in fact, every student receives financial aid. In addition, because of the generosity of a large number of alumni, parents and friends, further financial assistance is available. (See Financial Aid and Financial Planning, page 127.)

APPLICATION PROCEDURES

Priority will be given to day student candidates who complete the application and interview by Jan. 15, and to boarding candidates who complete the application and interview by Feb. 1. A decision from the Admission Committee will be mailed on March 10. The possibility of admission is considerably lessened for all applicants who complete the process after the stated deadlines, and decisions for this group may not be rendered before May 1.

A deposit of \$1,500 is required to reserve a place at the time admission is offered to an applicant. If you have questions about Andover's admission or application procedures, call or write.

Admission Office

Phillips Academy

180 Main St.

Andover, Massachusetts 01810-4161

Admission Office direct line: 978-749-4050

Academy switchboard: 978-749-4000, ext. 4050

Admission Office e-mail: admissions@andover.edu

Academy Web site: www.andover.edu

Office hours: Monday through Friday, 8:30 a.m. to 4:30 p.m. and

designated Saturdays, 8:30 a.m. to 12 noon Oct. 1 through Jan. 1

DAY STUDENTS

Students residing in several nearby cities and towns may choose whether to apply as day students or as boarders. This is a one time only choice which must be made when the application is submitted to the admission office. Day students comprise approximately one fourth of the student body.

Students residing in Andover or in North Andover must apply as day students. Applicants from the following Massachusetts cities and towns have a choice: Boxford, Bradford, Dracut, Georgetown, Groveland, Haverhill, Lawrence, Lowell, Lynnfield, Methuen, Middleton, North Reading, Reading, Tewksbury and Wilmington, and also New Hampshire cities and towns: Atkinson, Pelham, Plaistow and Salem.

124

Families are urged to consider carefully all aspects of each option, including transportation, finances, accessibility to the variety of on campus activities, and the relative merits of living at home versus school residence for the student. The admission office will be happy to assist families in reaching the best decisions for their needs.

Candidates living outside our day student area but intending to move before September to a day student town should discuss the situation with an admission counselor, apply as boarders, note it on the application and notify the admission office when the move is completed. At that point, candidates will be changed to day student status. Current students who move to either Andover or North Andover are required to become day students.

FOUR STEPS TO BE COMPLETED FOR APPLICATION

1. Complete the Candidate Statement, Part One of the Application

To begin the application process, complete the Candidate Statement, Part One of the application located online, in the back pocket of the catalog or in the final application packet, and send in the non-refundable \$40 fee as soon as possible. (Checks are to be made payable to the Trustees of Phillips Academy.) An applicant file will not be created until the Candidate Statement, Part One of the application, is received. The online application can be found at www.andover.edu, click admission, select the Candidate Statement, Part One of the application. (Applications will not be considered unless the Candidate Statement, Part One, and the fee are received.)

2. Schedule a Personal Interview

Day student candidates must complete their interviews by Jan. 15 and boarding candidates by Feb. 1. Candidates are encouraged to schedule interviews in either the spring, summer or early fall of the year before they intend to enter. It is in everyone's best interest for the interview to take place as early as possible. A visit to the academy is desirable, as it gives candidates a chance to have questions answered and to see the school.

If a candidate or a member of the candidate's family needs disability-related accommodations, please notify the admission staff at 978-749-4050 in advance of scheduling an interview so we can make appropriate arrangements. Please allow two hours for the tour and interview, and be sure to dress with the weather in mind. After the interview, candidates and their families are welcome to walk about the campus, visit the Addison Gallery of American Art or watch games and practices. Candidates who cannot visit the academy are themselves responsible for arranging an interview with an Alumni Admission Representative. (See page 131.) Please note: Massachusetts families who need an Alumni Admission Representative interview and have not scheduled one by Jan. 15 should contact the Admission Office for assistance.

125

3. Return the Final Application Forms

Final application forms should be completed and returned as soon as final grades are available for the fall term. **The transcript must include current grades for the application to be complete.** Priority consideration is given to day student applications submitted by Jan. 15 and to boarding applications submitted by the advertised deadline of Feb. 1. (Candidates who apply after Feb. 1 should return forms immediately.) Teacher recommendations should be from current teachers. We cannot accept any application forms by fax.

4. Take the Appropriate Standardized Admission Test

Although most candidates for grades 9-11 submit the Secondary School Admission Test (SSAT), candidates who wish to present the Educational Records Bureau's Independent School Entrance Examination (ISEE) may do so. Whenever possible, international students for whom English is not the primary language should also submit the Test of English as a Foreign Language (TOEFL). Many candidates register for the SSAT online at www.ssat.org.

SECONDARY SCHOOL ADMISSION TEST

The 2004-05 *Student Registration Information Brochure* published by the Secondary School Admission Test Board, Princeton NJ 08540, will be sent by Andover to all candidates. This brochure describes the Secondary School Admission Test, which will be given on the following dates:

November 13, 2004	March 5, 2005
December 11, 2004	April 16, 2005
January 8, 2005	* June 11, 2005
* February 5, 2005	* US/Canada sites only

Candidates are strongly urged to take the SSAT administered in either November or December 2004. Otherwise, candidates should take the January 2005 administration.

TWELFTH GRADE OR POSTGRADUATE CANDIDATES

Instead of the Secondary School Admission Test, senior and postgraduate candidates must take either the Preliminary Scholastic Aptitude Test (PSAT) or the Scholastic Aptitude Test (SAT) of the College Board Scholastic Aptitude Tests (ETS 609-771-7600). One may register online for the PSAT and SAT at www.collegeboard.com.

Postgraduates are full-fledged members of the senior class and are eligible for all school activities. Because of their academic credits, they frequently have maximum flexibility in course selection.

EARLY DECISION

Andover does not participate in any early decision plan for admission.

SCHOOL COSTS AND AFFORDABILITY

TUITION AND FEES

The tuition for 2004-05 is \$31,160 for boarding students and \$24,200 for day students. The average annual cost to educate a student at Andover is approximately \$51,000. The difference between the annual cost and the tuition charge is made up from gifts and income from endowment, which are the products of the generosity of alumni, parents and friends. To reserve a student's place for a given school year, a deposit in the amount of \$1,500 must be received by the acceptance deadline, April 11, in the case of a newly admitted student, or by May 1 in the case of a returning student. It is non-refundable under any circumstances.

The tuition, less the above deposit, is billed in two equal amounts, with half the tuition and fees due July 15 and the final payment due Dec. 1. The award of financial aid scholarship or loan reduces the billed amount accordingly.

No tuition refund will be made for any student who withdraws, is dismissed or is absent for any reason after registration.

An optional Tuition Refund Plan is offered, at 2.5 percent of tuition, to protect

against the departure of a student for any reason. Under this plan, 65 percent of the unused portion of the tuition for school days remaining is refunded.

Tuition covers instruction, board, room (including basic furniture), physical training and most athletic privileges, use of laboratory equipment and material, and admission to all authorized athletic contests and most authorized entertainment at George Washington Hall or elsewhere on campus, including the Saturday evening movies.

The school provides sports uniforms and most athletic equipment. Students are required to bring their own footwear and urged to bring whatever other personal athletic equipment they already possess.

OTHER EXPENSES

Tuition does not include a technology fee, materials for art courses, medical expenses and insurance, telephone charges, textbooks, laundry, school supplies or breakage and/or damage to school property. Typically these expenses total about \$2,000. Tuition does not cover private music lessons or the cost of participation in School Year Abroad or other off-campus programs.

Bills for items not included in tuition charges may be rendered at any time during the school year. All charges must be paid by their due date in order to assure a student's place at the academy. Students with past-due bills may be asked to leave at any time. The diploma of the academy will not be awarded to seniors whose school accounts are not paid in full by June 1.

FINANCIAL AID AND FINANCIAL PLANNING

Financial need should never discourage a student from applying for admission to Phillips Academy. Andover offers full financial aid grants for low-income families, and financial aid grants and low-interest, deferred-payment student loans to meet a broad spectrum of need. To help all Andover families with financial planning, the school has created the Andover Plan, an innovative package of four payment options.

Financial Aid

Operating Budget: \$9.7 million

Financial Aid Scholarship Grants: \$9.2 million

Average grant for returning students: \$22,600

Student Loans: \$500,000 in 2004-05

(presently at 6% interest)

The best way to find out if you qualify for financial assistance is to apply.

Because Andover values and seeks an economically diverse student body, aid is awarded only on a basis of demonstrated need. Need depends on many variables, such as family income, number of children, age of parents, other tuitions, unusual medical expenses, taxes, assets, liabilities, etc.

128

TO APPLY FOR FINANCIAL AID

1. When filling out the Candidate Statement, Part One of the application, located online, in back pocket of the catalog, or in the final application packet, parents should check "yes" for financial aid.
2. Andover will send you the Parents' Financial Statement (PFS). Fill it out and send the original to the School Scholarship Service (SSS) in Princeton, N.J. The SSS uses a formula nationally accepted among independent schools to analyze need and provides Andover with a preliminary estimate of your family's ability to contribute to educational expenses. The process assures that all schools to which a student applies will base their calculations on the same data.
3. Send a copy of the PFS to Andover prior to Jan. 15, along with the most recent IRS 1040 and W-2 forms when they become available.

Requests for aid filed after the Jan. 15 deadline may not be processed in time to be included in the initial allocation of financial aid funds.

DIVORCED OR SEPARATED PARENTS

The resources of both parents must be considered in cases where a divorce or separation has taken place. This information should be included on the financial statement provided by the school. The availability of complete information from both parents is essential to assure a fair assessment of the family contribution. Lack of this information may result in no award of aid or an arbitrarily low financial aid package. Financial aid award letters are mailed in the same envelope as the Letter of Admission, on March 10. For more detailed information, direct your letter or telephone call to:

James F. Ventre, *Director of Financial Aid*
Phillips Academy
180 Main St.
Andover MA 01810-4161
Telephone: 978-749-4059

129

FINANCIAL PLANNING: THE ANDOVER PLAN

All families, whether or not they are receiving financial aid or loans, benefit from planning carefully the way in which they will pay for their children's education. Accordingly, Andover created the Andover Plan, four different payment options designed with the help of KeyBank and prepGate. Briefly, the options are: a one-time tuition payment which avoids tuition increases; two programs that access credit loans; and arrangement of a monthly budgeting plan. All students who are enrolled on a full-time basis are eligible for these plans, which are explained in detail on the following page.

THE ANDOVER PLAN

The Andover Plan provides the following payment options for a range of family situations.

	1 Key Education: Monthly Payment Plan A monthly budget option	2 Key Education: Achiever Loan A low-cost private loan
Benefits	<ul style="list-style-type: none"> • Apply online, by phone, mail or fax • No credit review • No interest • Families may budget any annual amount of tuition expense—other than the non-refundable enrollment deposit—over the school term • Direct Debit Option—payments can be automatically withdrawn from your checking account • Optional Education Completion Protection—valuable life and disability insurance 	<ul style="list-style-type: none"> • Apply online, by phone, mail or fax • Reserve funds for 1-4 years of school; interest is charged only on the amounts paid to the school • Low interest rate and overall cost • Can also be used to meet college expenses • Optional Education Completion Protection—valuable life and disability insurance
Features	<ul style="list-style-type: none"> • Pay for only year of school in 10 equal monthly payments beginning May 1 • Application fee of \$55 prior to June 1 then increases to \$100 • Family pays Key, which pays Phillips Academy 	<ul style="list-style-type: none"> • Favorable interest rate: set quarterly based on 3-month LIBOR plus 3.85% (a 96% as of 2nd quarter 2004; 5.20% APR). Borrow from \$2,000 up to the total cost of education less any aid • Funds are paid to Phillips Academy • Up to 20 year repayment term
Eligibility	<ul style="list-style-type: none"> • Any family wishing to pay annual costs in equal monthly payments, regardless of financial aid awards 	<ul style="list-style-type: none"> • Main applicant: Parent or sponsor of student wishing to pay education costs over an extended term
Options	<ul style="list-style-type: none"> • Monthly payments to Key over 10 months 	<ul style="list-style-type: none"> • Monthly payments to Key over 250 months
Source	<ul style="list-style-type: none"> • Family Funds 	<ul style="list-style-type: none"> • Loan
Contact	<ul style="list-style-type: none"> • Key Education Resources, 1-800-KY-11ND www.Key.com/educate 	<ul style="list-style-type: none"> • Key Education Resources, 1-800-KY-11ND www.Key.com/educate

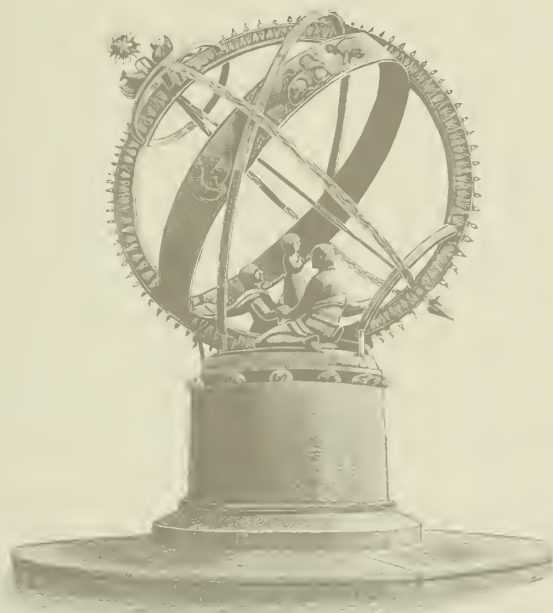
	3 prepGATE: Education Loan A low-cost, private loan	4 Phillips Academy: Guaranteed Tuition Single Payment A prepayment option
Benefits	<ul style="list-style-type: none"> • Apply online, by phone, mail or fax • Approval by next business day • Specially designed credit test to enable increased program access • Low overall financing cost • Can be used to finance college as well 	<ul style="list-style-type: none"> • No tuition increases • Automatic enrollment in Tuition Refund Plan at no cost for the current school year
Features	<ul style="list-style-type: none"> • Favorable interest rate: set quarterly based on the average of the one-month LIBOR + 3.5% (a 61% as of 2nd quarter 2004; 4.93% APR) • 10 year repayment term • No prepayment penalties • No application fee 	<ul style="list-style-type: none"> • Families prepay tuition from their own resources for a student seeking Andover education at the entry-level cost times the number of years, e.g. four for 9th grade, three for 10th grade, two for 11th grade
Eligibility	<ul style="list-style-type: none"> • Any family wishing to pay annual costs in equal monthly payments, regardless of financial aid awards 	<ul style="list-style-type: none"> • Main applicant: Parent or sponsor of student wishing to pay education costs over an extended term
Options	<ul style="list-style-type: none"> • Monthly payment to Bank of America 	<ul style="list-style-type: none"> • Prepayment to school of entire four, three or two years of tuition at first year rate
Source	<ul style="list-style-type: none"> • Loan 	<ul style="list-style-type: none"> • Family Funds or Loan
Contact	<ul style="list-style-type: none"> • prepGATE, 1-800-553-GATE (www.prepgate.com) 	<ul style="list-style-type: none"> • Phillips Academy, 783-743-4510 billing@andover.edu

INTERVIEWS WITH ALUMNI REPRESENTATIVES

While it is advisable from the student's point of view to visit Andover, distance frequently renders a visit impractical. When this is the case, the candidate should write or telephone the most conveniently located alumni admission representative and arrange for an interview. After you arrange for an interview with an alumni admission representative, please notify the Andover admission office of the date of the interview and the name of the interviewer. This procedure will help us keep your records up to date. A candidate unable to arrange for an alumni admission representative interview should communicate with the admission office for assistance. All interviews with alumni admission representatives must be conducted by Jan. 15 for day student candidates or Feb. 1 for boarding student candidates or the candidate will not receive a March 10 decision. Applicants interviewed after those deadlines will be considered as late candidates.

Alumni admission representatives are local alumni who have volunteered their time to assist the school with the admission process. They are often busy people who have many demands upon their time. Applicants and their families are urged to schedule appointments with alumni interviewers well in advance of the deadlines to avoid schedule conflicts.

A list of alumni representatives begins on the next page.



ALASKA*Anchorage*

Kevin Fitzgerald '88
1535 N Street, 99501
907-274-1331 (H)
907-258-8750 (W)

Juneau

Andy Hemmenway '66
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907-586-3789 (H)
907-465-2252 (W)

ARIZONA*Paradise Valley*

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480-703-1533 (W)
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Tucson

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520-991-0733 (C)

CALIFORNIA*Burlingame*

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Corona del Mar

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Lucino

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Larkspur

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52 Murray Avenue, 94939
415-461-1570 (H)
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Los Angeles

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323-512-8353 (H)
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Trevor A. Grimm '56
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Avenue #200, 90005
213-380-0303 (W)
818-762-6039 (H)

I. K. Vodrey '52
c/o Tom Bergin's Tavern
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90036-4421
310-275-5529 (H)
323-936-7151 (W)

Pasadena

F. Jack Liebau Jr. '81
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Redwood Shores

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San Diego

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Rez & Engel
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Venice

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COLORADO

Englewood

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CONNECTICUT

Darien

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Greenwich

Andy and Nina LeSueur '84
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New Canaan

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Weston

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Westport

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DELAWARE

Hockessin

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DISTRICT OF COLUMBIA

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Naples

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Sewall's Point

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Tallahassee

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Alpharetta

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Dalton

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Rome

Dennis P. Donegan '52
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Dalton GA 30720
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HAWAII

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808-528-3317 (H)

Thomas L. Stirling '59
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Floor, 96813-2833
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ILLINOIS

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733-834-3566 (W)

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630-416-1897 (H)

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INDIANA

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Indianapolis

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317-283-6871 (H)

IOWA

Cedar Rapids

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52403
319-362-9736 (H)

KANSAS

Junction City

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785-762-5100 (W)
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KENTUCKY

Lexington

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859-266-5500 (W)
crume@mindspring.net

LOUISIANA

Baton Rouge

Sandra Stevens Pate '76
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The Andover Parent Network consists of past and present parents who have volunteered to answer prospective parents' questions. Parents have a wonderful perspective on the school and can offer valuable assistance to families throughout the application process. Prospective applicants and then parents should feel free to call members of our Parent Network at any time.

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COLLEGE MATRICULATIONS FOR THE CLASS OF 2003

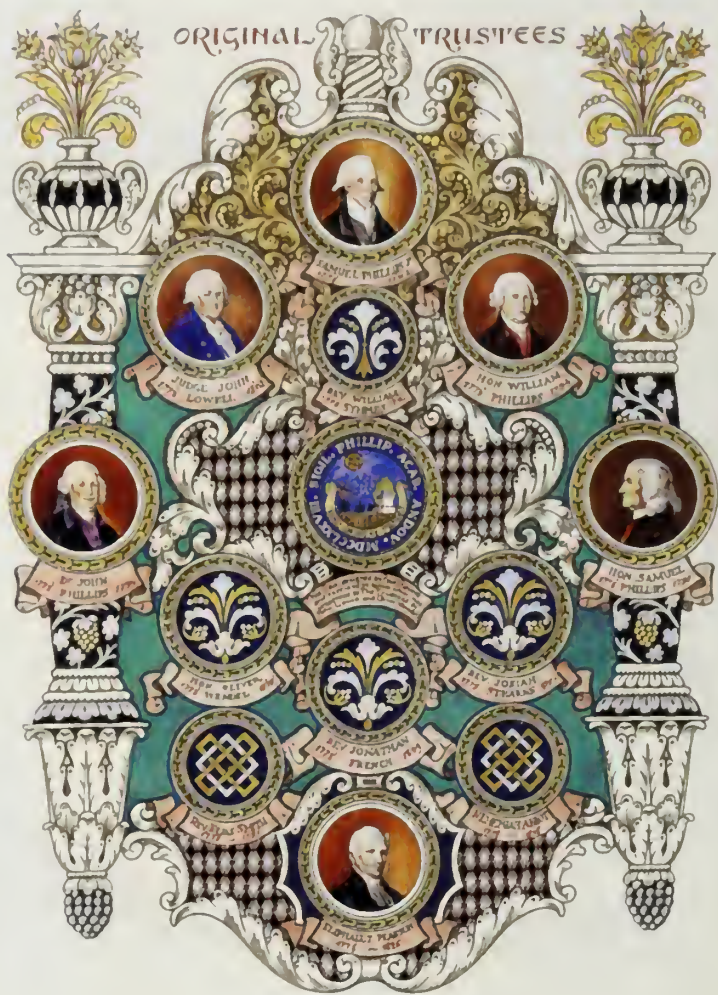
College	Admitted	Matriculated	College	Admitted	Matriculated
American U	14	1	U Miami	3	1
Amherst	7	3	Miami U/Ohio	4	2
Barnard	5	3	U Michigan	10	1
Bates	15	6	Middlebury	10	4
Boston College	29	4	U New Hampshire	5	3
Boston U	34	2	CUNY/Queens	1	1
Bowdoin	8	3	SUNY/Binghamton	2	1
Brandeis	7	4	New York U	10	3
Brown	19	14	U North Carolina/CH	5	2
Bryn Mawr	6	4	Northeastern	6	1
U Cal/Berkley	5	2	Northwestern	13	5
Caltech	1	1	Notre Dame	3	2
Carleton	3	1	Oberlin	8	1
Carnegie Mellon	15	4	Occidental	4	2
Case Western	8	1	Ohio Wesleyan	4	1
U Central Florida	1	1	Penn State	2	1
U Chicago	19	7	U Pennsylvania	19	13
Colby	7	1	Pitzer	1	1
Colgate	9	2	Princeton	12	11
Columbia	12	8	Providence	4	1
Connecticut College	8	1	Puget Sound	1	1
Cornell	23	13	Queens/Canada	2	1
Dalhousie/Canada	2	1	U Redlands	2	1
Dartmouth	13	7	Rice	5	2
U Denver	4	1	U Rochester	6	2
Duke	9	2	Saint Andrews/Scotland	9	2
Embry Riddle U	1	1	Saint Anselm	2	1
Emory	12	1	Saint Lawrence	3	1
Eugene Lang	1	1	Smith	6	1
Fairfield	1	1	U Southern California	17	6
George Washington	15	2	Stanford	7	2
Georgetown	25	11	Stonehill	1	1
Georgia Tech	2	1	U Texas/Austin	4	1
Gettysburg	4	1	Toronto, U	2	1
Hamilton	3	1	Trinity Col/CT	13	2
Hampshire	3	1	Tufts	20	4
Harvard	17	15	Union	6	3
Harvey Mudd	2	1	US Naval Academy	2	1
U Illinois /CH	1	1	Vanderbilt	11	2
U Illinois /URB	5	1	Vassar	6	1
Indiana U	3	1	Villanova	4	1
U Iowa	2	2	Wake Forest	2	1
Ithaca	5	1	Washington & Lee	1	1
Johns Hopkins	22	5	Washington U/St. Louis	10	4
Kenyon	9	1	Wellesley	8	2
Lewis Clark	2	1	Wesleyan	17	8
Macalaster	11	1	West Virginia U	1	1
U Maine	3	1	Wheaton/Ill	1	1
Maryland U/College Park	4	1	William & Mary	7	2
MIT	8	4	Williams	9	6
U Massachusetts/Amherst	15	1	Yale	15	9
McGill	8	2			

2007-2008 STATISTICAL INFORMATION ARISTOCRATIC COLLEGE

154

Albany	3	Rhode Island	5	Korea	11
Alaska	3	South Carolina	3	Latvian	1
Arizona	2	Tennessee	7	Malaysia	1
California	70	Texas	18	Mexico	2
Colorado	5	Utah	3	People's Rep. of China	5
Connecticut	36	Vermont	9	Saudi Arabia	7
Delaware	1	Virginia	6	Scotland	1
District of Columbia	3	Washington	8	Spain	1
Florida	17	West Virginia	2	Switzerland	1
Georgia	15	Wisconsin	4	Taiwan	1
Hawaii	3			Thailand	5
Idaho	1			Venezuela	1
Illinois	37	Total U.S.	1,002		
Indiana	3				
Iowa	2				
Kansas	3	Based on place of current residence, not citizenship.		Total International	85
Kentucky	2			Total U.S.	1,002
Louisiana	1				
Maine	6	Australia	1	School Total	1,087
Maryland	10	Brazil	1		
Massachusetts	161	Bulgaria	1		
Michigan	8	Canada	5		
Minnesota	3	Colombia	1		
Nebraska	1	Dominican Republic	1		
Nevada	1	Ecuador	1	Seniors	313
New Hampshire	37	France	3	Uppers	286
New Jersey	34	Germany	3	Lower	280
New Mexico	2	Greece	1	Juniors	208
New York	131	Hong Kong	14		
North Carolina	11	Indonesia	2		1,087
North Dakota	1	Italy	1		
Ohio	9	Jamaica	1	Total Boarding Students	785
Oklahoma	1	Japan	7	Total Day Students	302
Oregon	6	Kazakhstan	4		
Pennsylvania	7	Kenya	1	Total	1,087





BOARD OF TRUSTEES

CHARTER TRUSTEES

OSCAR L. TANG '56
President of the Board
New York, New York

THOMAS C. ISRAEL '62
Treasurer of the Board
New York, New York

BARBARA LANDIS CHASE
*Head of School and
Clerk of the Board*
Andover, Massachusetts

CYNTHIA EATON BING '61
New York, New York

DANIEL P. CUNNINGHAM '67
New York, New York

EDWARD E. ELSON '52
Palm Beach, Florida

RICHARD GOODYEAR '59
Lyme, Connecticut

CLINTON J. KENDRICK '61
Bedford, New York

MOLLIE LUPE LASATER '56
Fort Worth, Texas

E. SCOTT MEAD '73
London, England

STEPHEN C. SHERRILL '71
New York, New York

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157

ALUMNI TRUSTEES

CLAUDIA A. ARRIGG KOH '67
Andover, Massachusetts

MARTIN BEGLEN '46
Brookline, Massachusetts

GRACE E. CURLEY '81
North Reading, Massachusetts

LUCY SCHULTE DANZIGER '78
New York, New York

LOUIS G. ELSON '81
London, England

GARY L. LEE '74
Washington, D.C.

TRUSTEES EMERITI

FREDERICK W. BEISICKI '62
New York, New York

JOHN D. MACOMBER '46
Washington, D.C.

BROUGHTON H. BISHOP '45
Camas, Washington

GERARD PILL '33
New York, New York

WILLIAM W. BOESCHENSTEIN '41
Perrysburg, Ohio

ELIZABETH PARKER POWELL '56
Wellesley Hills, Massachusetts

STEVEN B. BURBANK '64
Philadelphia, Pennsylvania

BARBARA CORWIN TIMKEN '66
Belmont, Massachusetts

GEORGE BUSH '42
Houston, Texas

ALEXANDER B. FROWBRIDGE '47
Washington, D.C.

JOHN I. COOPER '31
Westwood, Massachusetts

DAVID M. UNDERWOOD '54
Houston, Texas

WILLIAM M. LEWIS JR. '74
New York, New York

Nor think the difference mighty as it seems
Between life's morning and its evening dreams;
Fourscore, like twenty, has its tasks and toys;
In earth's wide schoolhouse all are girls and boys.

From *The School-Boy*
by Oliver Wendell Holmes

SELECTED ADMINISTRATORS

2004-05 Academic Year

Office of the Head Of School

BARBARA LANDIS CHASE
Head of School
A.B., M.L.A.

REBECCA M. SYKES
Associate Head of School
A.B., M.S.W.

Office of the Dean of Faculty

TEMBA T. MAQUBELA
Dean of Faculty
B.S., M.S.

Office of the Dean of Studies

MARGARITA R.O. CURTIS
Dean of Studies
B.A., B.S., M.A., Ph.D.

HERBERT HARRY MORTON III
Registrar
A.B.

CORBIN F. LANG
Associate Dean of Studies
Scheduling Officer
B.S., M.S.

Office of the Dean of Students and Residential Life

MARLYS A. EDWARDS
Dean of Students and
Residential Life
B.A., M.A.

PRISCILLA K. BONNEY-SMITH
Associate Dean of Students and
Residential Life
B.A., M.A.T., M.A.

ALBERT R. CAUZ
Abbot Cluster Dean
B.A., M.A.

PAUL DANIEL MURPHY
Flagstaff Cluster Dean
B.A., M.S.T.

LINDA C. GRIFFITH
Pine Knoll Cluster Dean
B.A., M.Ed.

CHAD. A. GREEN
West Quadrangle
North Cluster Dean
B.A., M.T.S.

PETER D. WASHBURN
West Quadrangle
South Cluster Dean
B.A.

Business Office

STEPHEN D. CARTER
Chief Financial Officer
Sc.B., M.A.L.S.

Office of Admission and Financial Aid

JANE FOLEY FRIED
Dean of Admission
A.B., M.A.

JAMES F. VENTRE
Director of Financial Aid
and Admission Operations
A.B.

DEBORAH B. MURPHY
Sabbatical 2004-05
B.A., Ed.M.

STEPHEN W. CARR
Assistant Dean of Admission
B.A.

ELISA M. JOEL
Acting Senior Associate Dean of
Admission
Assistant Director of
Financial Aid
B.A.

VIVIEN VALENZUELA MALICK
Associate Dean of Admission
B.A.

SUSAN A. MANTILLA
Associate Dean of Admission/
Coordinator of Students of
Color Recruitment
B.A.

TERRI TYLER MOSS
Admission Counselor
B.A.

RUBANI TRIMIEW
Admission Counselor
B.A.

MARTEN J. WENNIK
Associate Dean of Admission
B.A.

Office of Academy Resources

MICHAEL JOSEPH EBNER
Interim Secretary of the
Academy
Director of Alumni Affairs
B.A.

CHRISTINE ATWOOD
Director of Development
Interim Associate Director
of the Academy
B.S., M.S.

SHARON A. BRITTON
Director of Communications
B.A., M.A.

PATRICIA A. DIODATI
Director of Information
Services

ANN C. HARRIS
Director of Class, Reunion and
Parent Giving
B.A., M.B.A.

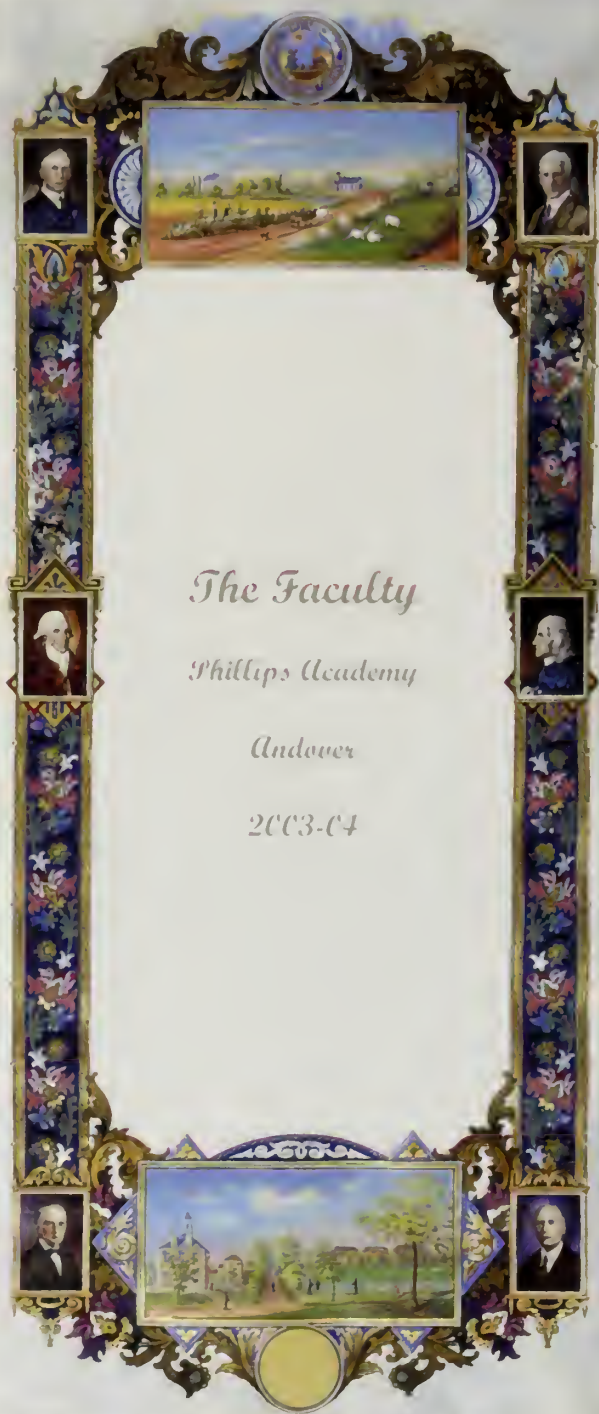
Office of Community and Multicultural Development

ROBERT A. EDWARDS
Dean of Community and
Multicultural Development
B.A.

Athletic Department

MARTHA GOURDEAU FENTON
Director of Athletics
B.A., M.M.S.

KATHRYN A. DOLAN
Assistant Athletic Director
B.S., M.Ed.



The Faculty

Phillips Academy

Andover

2003-04

ANDOVER FACULTY
2003-04 Academic Year

The date following the name indicates the year the person joined the Andover faculty.

TRACY ELIZABETH AINSWORTH 2002

Instructor in History and Social Science
B.A. Princeton University;
M.A. University of Colorado

YASMINE BELL ALLEN 2000

Instructor in Spanish
B.A. DePauw University;
M.A. Purdue University

MAX CHARLES ALOVISETTI 1986

Associate Director of Psychological Services
Instructor in Psychology
B.A., M.S. City College of N.Y.; Ph.D. University of Rhode Island

JOHN WARREN ANDERSON 2002

Director of College Counseling
B.A. Colgate University;
M.Ed. University of New Hampshire

ELIZABETH GRACE AUREDEN 1991

Chair of the Music Department
Instructor in Music
B.M., M.M. Eastman School of Music

VINCENT BEDE JOHN AVERY 1976

Dean of Studies
Instructor in Philosophy and Religious Studies on the Independence Foundation Teaching Endowment No. 3
S.T.L. Gregorian University;
S.T.D. Academia Alphonsiana, Rome

BRUCE WILSON BACON 1994

Chair of the Theatre and Dance Department and Instructor in Theatre on the Ansin Family Instructorship
B.A. Amherst College;
M.F.A. Yale School of Drama

LESLIE VERONICA BALLARD 1973

Instructor in Chemistry on the Emilie Belden Cochran Foundation
B.A. Sarah Lawrence College;
M.A.T. Harvard University

SETH BURTON BARDO 1981

Instructor in English on the Walter Scott Leeds Teaching Foundation
B.A. Yale; M.A.T. Harvard

HOLLY A. BARNES 2000

Instructor in Music
B.M. Indiana University;
M.M. University of Southern California; M.M. Boston University

DONALD THOMPSON BARRY 1980

Instructor in Mathematics
B.A. Carleton College;
M.Div. Yale Divinity School

ROXANNE SCOTT BARRY 1995

Complementary House Counselor
Academic Adviser
B.A. Carleton College;
M.El.Ed. Goucher College

CLYFE GORDON BECKWITH 1992

Chair of Physics Department
Instructor in Physics
B.A. Dartmouth College;
M.S., Ph.D. Boston College

LOUIS MICHAEL BERNIERI 1977

Instructor in English
Bread Loaf Coordinator
A.B. Harvard University;
M.A. Middlebury College

CARL WALKER BEWIG 1986

Associate Director of College Counseling
B.A. Oberlin College;
M.A.Ed. Washington University (St. Louis)

KATHRYN A. BIRECKI 1984

Athletic Trainer
Dean of West Quad North Cluster
B.S. Central Connecticut State University

RALPH CORNELIUS BLEDSOE 2002

Director of Summer Session
Instructor in Chemistry
B.S. University of Southern California; M.Ed. University of Massachusetts/Amherst

PRISCILLA KEENE BONNEY-SMITH 1974

Associate Dean of Students and Residential Life
Psychological Counselor
Instructor in Life Issues on the Class of 1915/Garrigues Teaching Foundation
A.B. Bates College;
M.A.T. Brown University;
M.A. Lesley College

GAIL CHANDLER BOYAJIAN 2001

Instructor in Art-Architecture
B.A. Tufts University;
M.A. Arch. M.I.T.

CAROLE BRAVERMAN 1979

Instructor in English on the Class of 1946 Teaching Foundation
B.A. Brooklyn College;
M.A. Purdue University

MARK ANTHONY BROOMFIELD
2001
Instructor in Dance
B.A. SUNY/Geneseo, M.F.A.
University of Michigan

SIJUANNE ELIZABETH
BLACKWATER 2001
Instructor in Mathematics
B.A. University of Northern
Iowa, M.S. Northwestern
University

DAVID ANDREW CATTAM
2002
Instructor in Mathematics
B.A. Boston University;
M.A.T. Simmons College

KEVIN FRANCIS CARDOZO
1992
Instructor in Chemistry
B.A. Haverford College

DEBORAH LYNN CARLISH
1992
Instructor in Chemistry
B.S., M.S. University of
New Hampshire

STEPHEN WINTWORTH
CARR JR. 2002
Admission Counselor
B.A. Amherst College

CATHERINE JANE CARTER
Instructor in Classics
B.A. Grinnell College;
J.D. University of California,
Berkeley

STEPHEN DOUGLAS CARTER
1980
*Dean of Faculty on the Edward
F. Elson Foundation*
Instructor in Mathematics
Sc.B. Brown University;
M.A.T.S. Wesleyan University

ALBERT ROMAN CAUZE 1994
Dean of Abbot Cluster
Instructor in Spanish
B.A. Boston College;
M.A. Middlebury College

PAUL DAVID CERNOTA 1999
Instructor in Chemistry
*Adviser for Gay, Lesbian &
Bisexual Issues*
A.B. Princeton, Ph.D.
University of California

BARBARA LANJIN CHAM
1994
*Head of School on the
Foundation in Honor of
John P. Stevens Jr.*
*Instructor in History & Social
Science*
A.B. Brown University;
M.L.A. Johns Hopkins
University

STROTT L. CHIU 2003
Instructor in Chinese
B.A. Chinese Culture
University, Taiwan;
M.A. University of
Massachusetts at Boston

EVANICE M. CIRIELI 2003
*Complementary House
Counselor*

PETER MICHAEL CIRIELI
1994
Instructor in Music
B.M. New England
Conservatory of Music

ANDREW JAMES CLINE 1979
Instructor in Mathematics
B.A. College of Wooster;
M.A.T.S. Wesleyan University

THOMAS EDWARD CONE III
1966
*Instructor in Biology
on the Class of 1929
Teaching Foundation*
Director of PALS Program
B.S. Trinity College;
M.A.T. Brown University

ALEXANDRA MARIE CORNELIUS
1999
*Director of the Institute for
Recruitment of Teachers*
B.A. Hunter College;
M.A. Purdue University

BRIAN DAVID COX 1997
Head Trainer, Athletics
Instructor in Athletics
B.S. Northeastern University

LEANN CRIVELLI 1997
Chair of Art Department
Instructor in Art
B.A. West Chester University,
M.F.A. University of
Delaware

NTH H. CURTIS 1986
*Chief Financial Officer on
the Beinecke Foundation for
the Chief Financial Officer*
B.A. University of Rochester;
M.A. Cornell University;
Ph.D. Michigan State
University

MARGARITA O'BRYEN CURTIS
1986
*Head of the Division of World
Languages on the David M.
Underwood Teaching
Foundation for the Chair of
the Language Division (1A11)*
Instructor in Spanish
(Sabbatical winter and spring
terms)
B.A. Tulane University; B.S.
Mankato State University;
M.A., Ph.D. Harvard
University

MARK A. CUTLER 2003
Instructor in Spanish
B.A. St. Lawrence University;
M.A. Middlebury College

KATHLEEN MARY DALTON
1980
*Instructor in History and Social
Science on the Cecil F.P.
Bancroft Teaching Foundation*
*Interim Director of the
Brace Center*
B.A. Mills College;
M.A., Ph.D. Johns Hopkins
University

PATRICIA BOYCE DAVISON 2000
Director of the Academic Support Center
Coordinator of Student Disability Resources
 B.S. Fitchburg State College;
 M.Ed. Cambridge College

THEODORE R. DEPPE 2003
Writer-in-Residence on the Roger F. Murray Teaching Foundation
 B.A. Earlham College;
 B.S. Berea College;
 M.F.A. Vermont College

GEORGE MACNAMARA DIX 1972
Instructor in Spanish
Instructor in French
 A.B. Brown University;
 A.M. Middlebury College

MARCELLE ANNE DOHENY 1992
Instructor in History and Social Science
 B.A. University of York, U.K.;
 Postgraduate Certificate of Education, University of Oxford, U.K.

KATHRYN ANN DOLAN 1990
Assistant Director of Athletics
Instructor in Athletics
 B.S. University of New Hampshire; M.Ed.
 Cambridge College

JEFFREY CHARLES DOMINA 1999
Instructor in English
 A.B. Duke University;
 M.A. University of Virginia

PETER LAWRENCE DRENCH 1986
Instructor in History and Social Science on the Frederick S. Allis Jr. Instructorship in History
 B.A. Cornell University;
 M.A. Tufts University

JOHN ROGER DUGAN JR. 2001
Admission Counselor
Instructor in English
 B.A. Trinity College

MICHAEL JOSEPH EBNER 1995
Protestant Chaplain
Director of Alumni Affairs
 B.A. Rollins College

TERRY JOYCE EBNER 1997
House Counselor
Academic Adviser
 B.A. Rollins College

MARLYS ANN EDWARDS 1990
Dean of Students and Residential Life
Instructor in English
 B.A. Brooklyn College;
 M.A. Middlebury College

ROBERT ANDREW EDWARDS 1986
Dean of Community and Multicultural Development
 B.A. Howard University

CYNTHIA J. EFINGER 2003
Interim Director of Student Activities
 B.A. University of Utah

MARK EDWARD EFINGER 1993
Instructor in Theatre
 (SABBATICAL)
 B.A. Middlebury College;
 M.F.A. University of North Carolina

ADA MEI FAN 1983
Instructor in English on the Alfred Ernest Stearns Teaching Foundation
 B.A. Harvard University;
 M.S. Boston University;
 M.A., Ph.D. University of Rochester

SUSAN C. FAXON 1986
Interim Director of Addison Gallery on the Robert M. Walker Foundation for Curator/Art Historian
 B.A. Smith College;
 M.S. Columbia University Graduate School

MARTHA GOURDEAU FENTON 1994
Director of Athletics on the John H. Castle Jr. Directorship of Athletics
Chair of Athletics Department
Instructor in Athletics
 B.A. Bowdoin College;
 M.M.S. Lesley College

EMMA L. FREY 2002
Instructor in History and Social Science
 B.A. Franklin and Marshall College;
 M.A.L.S. Wesleyan University

JANE FOLEY FRIED 1991
Dean of Admission on the Joshua Lewis Miner III Deanship of Admission Foundation
 B.A. Bowdoin College;
 M.A. Tufts University

SHAWN FULFORD 1989
Instructor in Mathematics on the Francis C. Robertson Bicentennial Instructorship
 B.S. William and Mary;
 M.A. Duke University

MARY L. FULTON 1985
Instructor in English on the R. Allen Keyworth Teaching Foundation
 B.A. Mount Holyoke College;
 M.A. University of Virginia;
 Ph.D. University of New Hampshire

JENNIFER MAE GLOVER 1991
Instructor in Mathematics
B.A. Mount Holyoke College
M.Ed. Harvard University

TERESA GORDO-SOLO 2002
*Associate Director of the
Institute for Recruitment
of Teacher*
B.A. Cleveland State
University; M.A. University
of Rhode Island

LYDIA BUTLER GOETZL 1980
*Instructor in Biology on the A
Wells Peck Teaching Foundation*
A.B. Radcliffe College;
M.A. Johns Hopkins
University

RICHARD BRUCE GORTMAN
2000
House Counselor
B.A. University of
Massachusetts;
M.A. Middlebury

JOHN ALLEN GOULD 1982
Instructor in English
B.A. Williams College;
M.A. Indiana University

CHAD ALLAN GREEN 1996
(ON LEAVE)
Director of Community Service
B.A. Lewis and Clark College

KATHRYN LUCIER GREEN 1994
Instructor in Mathematics
B.A. Boston University;
M.S.T. University of New
Hampshire

MARESSA STEPHANIE GRILCO
1999
*Instructor in English on the
Elizabeth Rogers Instructorship*
B.A. Wellesley College; M.A.
University of New Hampshire

LINDA CARTER GROFFTH 1990
Dean of Pine Knoll Cluster
Instructor in English
*Advisor to African American
and Latino Students*
B.A. Vassar College;
M.Ed. Cambridge College

MAXINE STEFANIA GROCAN
1989
Dean of Summer Session
Admission
B.A. Merrimack College

THOMAS RICHARD GUDIN
2000
Instructor in Classics
B.A. Bowdoin College

CHRISTOPHER JUDE GURRY
1974
*Instructor in History and Social
Science on the Martha Cochran
Foundation*
A.B. Harvard College;
M.A. Tufts University

JEREMIAH C. HAGLER 2000
*Visiting Scholar in Molecular
Biology on the Visiting
Scholar Chair*
B.A. University of California/
Santa Cruz; Ph.D. Cornell
University

THOMAS ROBERT HAMILTON
1969
(ON LEAVE)

Instructor in Biology
B.S. Tusculum College;
M.S. University of Pennsylvania;
M.A.T. Brown University;
Ph.D. Ball State University

YUAN HAN 1988
Chair of Chinese Department
Instructor in Chinese
B.A. Shanghai Foreign
Language Institute; M.A.,
Ph.D. Ohio State University

FRANK III HANNAH 1968
*Instructor in Mathematics on the
Jonathan French Foundation*
(ON LEAVE)
A.B., A.M. Dartmouth College

MEGAN K. HARIAN 2003
*Associate Director of College
Counseling*
B.A. Middlebury College;
M.S. Villanova University

MARGARET LUCILLE HARRIGAN
1992
Instructor in Art
B.F.A. Tufts University;
M.F.A. University of
Connecticut

KEVIN PATRICK HELLAN 1983
Instructor in Theatre & Dance
(ON SABBATICAL LEAVE TERM)
B.A. St. Mary's College of
Maryland; M.F.A. Smith
College

VICTOR WILLIAM HENNINGSEN
III 1974-79, 1985
*Chair of Department of History
and Social Science on the Class
of 1945 Teaching Foundation*
*Instructor in History and Social
Science*
B.A. Yale; M.A. Stanford;
Ed.M., Ed.D. Harvard
University

HENRY LYNN HERBST 1972
Chair of French Department
Instructor in French
(ON SABBATICAL)
A.B. Hamilton; A.M.
University of Pennsylvania

SALLY CHAMPLIN HERBST 1974
Instructor in French
A.B. Mount Holyoke College;
M.A. Tufts University

JAMES HIGHTOWER III 2001
*Associate Director of College
Counseling*
B.A. Penn State University

THOMAS SALKALD HODGSON 1977

Instructor in Philosophy and Religious Studies on the William M. Newman Teaching Foundation
B.A. Williams College;
M.A. Yale University

SCOTT W. HOENIG 2003

Instructor in Mathematics
A.B. Bowdoin College;
M.A. Boston University

LEON MELVIN HOLLEY JR. 1993

Instructor in Biology
B.S. Howard University;
M.A. Hampton University

CHENG-YU HUANG 1986

(ON SABBATICAL WINTER TERM)
Instructor in Mathematics
B.A. Shanghai University;
M.A. Ohio State University

JACQUES L. HUGON 2001

Instructor in Mathematics
A.B., M.S. Harvard University, M.B.A. Harvard Business School

CAROL JANE ISRAEL 1985

Director of Psychological Services
Chair of Psychology Department
Instructor in Psychology
B.A., M.A., Ph.D. University of Chicago

MARGARET N. JACKSON 1983

Associate Director of Psychological Services
Instructor in Psychology
B.A. State University of New York at Binghamton; M.Mus. Manhattan School of Music; M.A., Ph.D. Long Island University

ELISA MARIA JOEL 1994

Associate Dean of Admission
Assistant Director of Financial Aid
B.A. Amherst College

PENNY PAWLING JOEL

1986-1995, 1998
House Counselor
B.A. Dickinson College

KRISTEN C. JOHNSON 2003

Instructor in Biology
A.B. Dartmouth College;
Ph.D. Massachusetts Institute of Technology

SUZY COLETTE JOSEPH 1980

Instructor in French on the Samuel Harvey Taylor Foundation
Licence d'Anglais, La Sorbonne; M.A. Indiana University

PAUL KALKSTEIN 1970

Instructor in English on the Independence Foundation
Teaching Endowment #2
A.B. Princeton; M.A.T. Yale

RICHARD JON KELLER 1992

School Physician
Board Certified Pediatrics and Pediatric Endocrinology
B.S. Yale University;
M.D. New York University School of Medicine

CAROLYN EMILY KELLY 1986

Instructor in English on the Abbot Academy Teaching Foundation
B.A. Yale College;
M.A. Simmons College

KAREN ANGELA KENNEDY

1985
Scheduling Officer, Athletics
Instructor in Athletics
B.S. Springfield College;
M.A. Boston University

CRISTINA SUAREZ KERKES

1986
Chair of Chemistry Department
Instructor in Chemistry
B.S., M.S. Purdue University

AGATHA GIGLIO KIP 1996

House Counselor
School Nutritionist
B.S. University of New Hampshire; M.S. Framingham State College

NICHOLAS VAN HOUTEN KIP

1968
Instructor in Classics on the Alfred Lawrence Ripley Foundation
A.B. Princeton University;
M.A. Trinity College

NEIL E. KOMINSKY 1995

Jewish Chaplain
B.A. Harvard College;
B.H.L., M.A.H.L., Hebrew Union College

MARC DANA KOOLEN 1974

Chair of Biology Department
Instructor in Biology
B.S. St. Lawrence University;
M.S. Purdue University

ELIZABETH G. KORN 1986

Associate Director of Academic Counseling
Educational Researcher
B.A. Wesleyan University;
Ed.M. University of California at Berkeley;
Ed.D. Harvard University

DOUGLAS JOHN KUHLMANN

1983
Chair of Mathematics
(WINTER AND SPRING TERMS)
Instructor in Mathematics
B.S. St. Louis University;
M.A., Ph.D. Northwestern University

MICHAEL J. KUTJA 1983
Instructor in Athletics
Athletic Trainer
 A.S. Berkshire Community
 College; B.S. Northeastern
 University

CORBIN FREDERICK LANG 1996
Associate Dean of Studies
Scheduling Officer
Instructor in Mathematics
 B.S. University of Oregon;
 M.S. Montana State
 University

NANCY MARIE LANG 1993
Instructor in Mathematics on
the Meso-Family Campaign
Andover Instructorship
 B.A. Cornell University;
 M.S. University of
 Massachusetts at Lowell

KAREN D. LAVERY 2003
Instructor in Philosophy
and Religious Studies
 B.A. Duke University;
 M.A. Gordon-Conwell
 Theological Seminary

MATTHEW JOHN LISA 2001
Instructor in Mathematics
 B.A. Wesleyan University

MARIA MOROZ LITVIN 1987
Instructor in Mathematics
 M.S. Moscow School of
 Education

PETER ANTHONY LORENCO 1983
Instructor in Music

JOHN RICHARD MAIER 1987
Instructor in Spanish
 B.A. Ohio Wesleyan
 University; M.A. University
 of Minnesota; Ph.D.
 University of Wisconsin

VIVIAN VALENZUELA MATECK 1999
Assistant Dean of Admission
 B.A. Tufts University

SUSAN AMARIS MANTILLA 2002
Assistant Dean of Admission
Student of Color Recruitment
Coordinator
 B.A. Denison University

FEATBA TEBOGLO MAQUBELA 1987
Instructor in Chemistry
Director of (MS)²
 B.S. University of Ibadan;
 M.S. University of Kentucky

VUYELWA MPHIO MAQUBELA 1987-94, 1996
House Counselor
 B.A. Fort Hare University

REBECCA DOWNEY MCCANN 1977
Instructor in Spanish on the
Marguerite Capen Hearsey
Teaching Foundation
 A.B. Lake Erie College; M.A.
 Middlebury College

SUSAN RICHARDSON
 McCASLIN 1977-1981, 1985
Chair of Department of
Philosophy and Religious
Studies
Instructor in Philosophy and
Religious Studies
Co-Director of the Teaching
Fellow Program
 A.B. Smith College; M.T.S.
 Harvard Divinity School

THOMAS EARL MCGRAW 1983
Instructor in English on the
Harris Family Instructorship
 B.A. University of Notre
 Dame; M.S. Boston University

MICHAEL JAMES McHUGUE 1994
Instructor in Mathematics
 B.A. Columbia University;
 M.S., Ph.D. University of
 New Hampshire

DEBORAH MARTIN MERRILL 1998
Associate Director of College
Counseling
 B.A. George Washington
 University; M.S.Ed. University
 of Southern California

PETER T. MERRILL 1989
Chair of Russian Department
Instructor in Russian
Instructor in German
 B.A., A.M. University
 of Pennsylvania;
 M.A., Ph.D. University of
 California at Los Angeles

ELIZABETH ANN MEYER 1998
Instructor in Classics
 B.A., M.A. University of
 Colorado; Ph.D. Boston
 University

LEON ADRIAN MODESTE III 1986
Instructor in Athletics
 B.S. Springfield College;
 M.Ed., Cambridge College

VINCENT JOSEPH MONACO 1984
Instructor in Music
 B.Ed. University of
 Massachusetts;
 M.M. Boston University

DIANE LYNN MOORE 1993
Instructor in Philosophy
and Religious Studies
 (ON SABBATICAL)
 B.A. Drake; M.Div. Harvard
 University; D.M. Episcopal
 Divinity School; M.Phil.,
 Ph.D. Union Theological
 Seminary

HERBERT HARRY MORTON III
1975
Registrar
Instructor in Mathematics
A.B. Dartmouth College

ROBERT ADAMS MOSS JR.
1984
Instructor in French
B.A., M.A. Trinity College

EMILIO MIGUEL MOZO
1984
Chair of the Spanish
Department
Instructor in Spanish
B.A. Sir George Williams
University; M.A. McGill
University

MARY MINOT MULLIGAN
1984
Instructor in History and
Social Science
A.B. Mount Holyoke College;
J.D. Northeastern University;
M.A.L.S. Wesleyan University

RAJESH RAMESH MUNDRA
1996
Associate Director of the
International Academic
Partnership
Instructor in Biology
(ON LEAVE)
B.A. Brandeis University;
M.A.T. Brown University

AYA SILVIA MURATA 1992
International Student
Coordinator
Adviser to Asian and Asian
American Students
B.A. Bates College;
A.M. Harvard University

DEBORAH BURDETT MURPHY
1991
Senior Associate Dean
of Admission
B.A. University of Virginia;
M.Ed. Boston University

PAUL DANIEL MURPHY
1989
Dean of Flagstaff Cluster
Instructor in Mathematics
B.A. Bates College; M.S.T.
University of New Hampshire

BILLY W. MURRAY 1996
Instructor in Theatre & Dance
B.A. St. Andrews Presbyterian
College; M.F.A. University of
North Carolina at Greensboro

FR. G. FRANCISCO NAHOE
2003
Instructor in English/Roman
Catholic Chaplain on the
Philip M. Drake Catholic
Ministry Foundation
B.A. Pomona College; S.T.B.
Pontificia Facultas Sancti
Bonaventurae Collegium, Italy

KEVIN THOMAS O'CONNOR
1985
Instructor in English on the
Lumpkin Family Bicentennial
Instructorship
B.A. University of Notre Dame;
M.A. University of Virginia

CAROLINE ELIZABETH ODDEN
2001
Instructor in Mathematics
Instructor in Physics
B.A. Yale University

CHRISTOPHER THOMAS ODDEN
2001
Instructor in Mathematics
A.B. Harvard University;
Ph.D. Duke University

DEBORAH MARY OLANDER
2002
Instructor in Academic Support
Instructor in Mathematics
B.A. State University of New
York; M.S. Stanford
University; M.Ed. Harvard
University

RANDALL SCOTT PEPPER 1978
Instructor in English
B.A. Washington & Jefferson
College; M.A. University of
New Hampshire

DAVID ALBERT PENNER 1966
Chair of Mathematics
Department
Instructor in Mathematics
on the Elizabeth Milbank
Anderson Foundation
B.A. Amherst College;
M.A. University of Maryland

ROBERT PETER PERRIN 1973
Instructor in Mathematics
and in Physics on the Donna
Brace Ogilvie Teaching
Foundation No. 1
B.S., Ph.D. Massachusetts
Institute of Technology

CARROLL PERRY III 2000
Instructor in History and
Social Science
B.A. Williams College; M.A.
Johns Hopkins University

DAVID BRIAN POTTLE 1977
Instructor in Classics
Instructor in English on the
John C. Phillips Foundation
B.A. Northeastern University;
Ph.D. Tufts University

KATHLEEN R. PRYDE 1994
Instructor in Physics on the
Richard J. Stern Instructorship
B.S. University of
Washington

ALICE PURINGTON 1986
Associate Director of
College Counseling
B.A. Vassar College;
M.Ed. Tufts University

LEWIS GUSTAVUS
QUATTEBAUM III 1973
*Instructor in History and
Social Science on the Donna
Brace Ogilvie Teaching
Foundation No. 2*
A.B. Harvard College;
M.A., Ph.D. University of
California at Berkeley

RUTH F. QUATTEBAUM 1979
*Archivist
Instructor in Art*
A.B. Wheaton College;
M.A. Columbia University

PETER RATHBONE RAMSEY
1995
Secretary of the Academy
B.A. St. Lawrence University

CHIRA D. REID 2003
*Coordinator, Associates Program
and Admission*
B.A. University of Virginia;
M.A. University of Michigan

KEITH ANTHONY ROBINSON
2003
Instructor in Chemistry
A.B. Bowdoin College

JAMES MARSHALL ROGERS JR.
1985
*Instructor in History and
Social Science on the John
Mason Kemper Class of 1949
Teaching Foundation*
B.A. North Carolina Central
University; M.A. Appalachian
State University

JOHN EDWARD ROGERS
1990
*Head of Division of Natural
Sciences
Instructor in Physics*
B.A. University of Virginia;
A.M. Harvard University

L. ANTHONY ROTUNDO 1981
*Instructor in History and
Social Science*
(ON LEAVE)
B.A. Wesleyan University;
M.A.T. Harvard University;
Ph.D. Brandeis University

PATRICIA CLAIRE RUSSELL 1989
*Instructor in Biology
Instructor in Physics*
A.B., M.A.T. Brown University

NATALIE GILLINGHAM SCHORR
1974
*Instructor in French on the
Annie Wright Lancashire
Teaching Foundation*
*Head of the Division of World
Languages on the David M.
Underwood Teaching
Foundation for the Chair of
the Language Division*
(WINTER & SPRING.)
B.A. McGill University;
d.e.s. Aix Marseille; M.A.
University of Pennsylvania

NINA SAVIN SCOTT
1990-92, 1995
Instructor in English
B.A. Duke University;
M.I.A. Columbia University

WILLIAM WALLACE SCOTT 1987
*Instructor in Mathematics on the
Richard J. Phelps Instructorship*
B.A. The Colorado College;
M.A.E.S. Wesleyan University

CHRISTOPHER LIVINGSTON
SHAW 1982-88, 1994
*Instructor in History and Social
Science on the Dorothy Dings
Kohler Instructorship in Economics
and American History*
*Director of the International
Academic Partnership (IAP)*
B.A. Wesleyan University;
M.A.L.D., Ph.D. Fletcher
School of Law and Diplomacy,
Tufts University

LINDSEY GRACE SHAW
*Instructor in History and
Social Science*
B.A. Wesleyan University

TERUYO SHIMAZU 1999
Instructor in Japanese
B.A. Seinan Gakuin
University; Ed.M. University
of North Carolina

CAROLYN DAY SKELTON 1972
*School Organist
Instructor in Music*
B.A. Hastings College;
M.M. New England
Conservatory of Music

NATHANIEL BALDWIN SMITH
1965
*Instructor in Mathematics on
the George Peabody Foundation*
B.S.E. Princeton University;
M.A. Northwestern University

JEAN MARY ST. PIERRE
AA 1963
*Instructor in English and in
Theatre on the Independence
Teaching Foundation No. 1*
A.B. Wheaton College;
M.A. Columbia University

JONATHAN ANGELL
STABLEFORD 1976
*Chair of the English
Department on the Richard
Adamson Lumpkin Teaching
Foundation (for the chair
of the English Department)*
*Instructor in English on the
Frederick W. Beinecke
Teaching Foundation*
B.A. Williams College;
M.A.T. Wesleyan University

DAVID A. STERN 2001
Instructor in Chemistry
B.S. Lafayette College, Ph.D.
University of New Hampshire

COURTNEY ELIZABETH STUBBS
*Assistant Director, Community
Service*
B.A. Westminster College

HALE STURGES II 1965
*Instructor in French on
the Frederick W. Beinecke
Teaching Foundation*
A.B. Harvard College;
M.A. Middlebury College

LISA JOHNSON SVEC 1986-89,
1990
*Chair, German Department
Instructor in German*
B.A. Dartmouth College;
M.A. Tufts University

VICTOR SVEC 1980
Instructor in Russian
B.A. University of Washington

ELWIN SYKES 1973-1996, 2002
*Instructor in English;
Co-Director of the Teaching
Fellow Program*
A.B., M.A., Harvard University

REBECCA MILLER SYKES
1976-1984, 1988
*Acting Head of School
(FALL AND WINTER TERMS)
Associate Head of School
(SPRING TERM)*
A.B. Radcliffe College;
M.S.W. Simmons College

WILLIAM ETHANIEL THOMAS
1974
*Instructor in Music on the
Frederick W. Beinecke
Teaching Foundation*
B.M. Oberlin College; M.F.A.
Pennsylvania State University

CRAIG THORN IV 1982
Instructor in English
B.A. Dartmouth College;
M.A. Brown University

PAUL FRANCIS TORTORELLA
2001
Instructor in English
B.A. Yale University;
M.A. SUNY, Buffalo

CATHERINE D. TOUSIGNANT
1999
Instructor in English
B.A., M.A., University of
Virginia

EMILY ELLEN TRESPAS 1999
Instructor in Art
B.A. Mt. Holyoke College;
M.F.A. Cornell University

DEAN TULLY 2003
Co-House Counselor
B.A. Harvard; M.D. University
of Pennsylvania

ELISABETH ESSEX TULLY 2001
*Director of the Oliver Wendell
Holmes Library on the Abbot
Stevens Foundation*
A.B. Duke University; M.P.H.
University of North Carolina;
M.L.S. SUNY/Albany

BRIAN D. TUTT 2003
House Counselor

SHIRLEY ANN VEENEMA 1979
Instructor in Art
B.A. Bucknell University;
M.A. Glassboro State College

JAMES FREDERICK VENTRE
1983-86, 1990
*Director of Financial Aid
and Admission Operations*
A.B. Dartmouth College

FLAVIA M. VIDAL 2001
Instructor in English
B.A. Hampshire College;
Ph.D. Brandeis University

CHRISTOPHER ROBERT HUGH
WALTER 1977-1980, 1982
Instructor in Music
M.A. The Queen's College
Oxford University;
A.R.C.M. Royal College
of Music, London

PETER CARLTON WARSAW
1984
Instructor in Music
A.B. Harvard University;
M.M., D.M.A. Eastman
School of Music

ELIZABETH EBBOTT
WASHBURN 1980
*House Counselor
Academic Adviser*
B.A. Dartmouth College

PETER DAVIS WASHBURN
1980
*Dean of West Quad South
Cluster*
Instructor in Mathematics
B.A. Syracuse University

J. PETER WATT 1988
*Instructor in Physics on
the Frederick W. Beinecke
Teaching Foundation*
B.S., M.S. Dalhousie University;
Ph.D. Harvard University

MARTEN JEFFREY WENNIK 1999
Associate Dean of Admission
B.A. University of
Massachusetts at Amherst

STEPHEN BLAZIER WICKS
AA 1971, 1973
(ON SABBATICAL FALL TERM)
Instructor in Art

GREGORY JOSEPH F. WILKIN
1980
Instructor in English
B.A. Yale College; M.A.
Ph.D. University of Toronto

DEREK WILLIAMS 1980

Instructor in History and Social Science on the Margaret S. and I. Maurice Newton Teaching Foundation

(ON SABBATICAL SPRING TERM)

B.A. Wesleyan University; M.A. University of North Carolina

HENRY BOND WEAVER JR. 1970

Director of the Language Learning Center

Instructor in French

B.A. Davidson College;

M.A. Middlebury College

KENNETH KELLY WISE 1966

Executive Director of the Institute for Recruitment of Teachers

B.A. Purdue University;

M.A. Columbia University

JUDITH TRIBO WOMBSWILL 1995

(ON SABBATICAL)

Instructor in Dance

B.A. Old Dominion University

FELI YAO 1991

Instructor in Physics

B.S. Beijing Polytechnic University; M.A. Brooklyn College of SUNY

YARONG YOUNG 1991

Instructor in Chinese

(ON LEAVE)

B.A. Shanghai Foreign Language Institute; M.A. University of Wisconsin

S. THAYER ZAEDER 1999

Instructor in Art

B.F.A. Philadelphia College of the Arts; M.F.A. University of Minnesota

THIRESH Y. ZEMLIN 2002

Instructor in Art-Sculpture

B.F.A. University of Illinois;

M.F.A. University of Texas/Austin

TEACHING FELLOWS

LEAH J. WOLANSKY 2003

Teaching Fellow in Chemistry

B.A. Hamilton College

AMANDA S. DRUMMOND 2003

Teaching Fellow in Mathematics

B.A. Wesleyan University

SARAH E. ENSOR 2003

Teaching Fellow in English

B.A. University of Michigan

MIGAN F. GREENE 2003

Teaching Fellow in History

B.A. Princeton University

COMFORT E. HALSEY 2003

Teaching Fellow in Spanish

B.A. University of Massachusetts at Amherst

CHRISTIAN (KIT) E.

LECKERLING 2003

Teaching Fellow in History

B.A. University of North Carolina

HAZEL T. MILDA 2003

Teaching Fellow in French

B.A. Mt. Holyoke College

E. PALMER SULLY 2003

Teaching Fellow in English

A.B. Davidson College

COURTNEY L. THOMPSON

2003

Teaching Fellow in English

B.A. Hampton University

SARAH A. WAISH 2003

Teaching Fellow in Spanish

B.A. Wellesley College

ANNE A. ZURNER 2003

Teaching Fellow in Dance

B.A. Columbia University

ADMINISTRATORS

DONALD BLANCHARD ARBOTT 1991

Senior Development Officer

B.A. Yale College; B.D. Episcopal Theological School

CHRISTINE ATWOOD 2000

Director of Development

B.S., M.S. Simmons College

MICHAEL R. BLAKE 2003

Associate Director of the Oliver Wendell Holmes Library

B.S. Eckerd College;

M.Ed. Emory University

MALINDA STAFFORD BLUSTEIN 2001

Director of the Robert S.

Peabody Museum

B.A. University of Florida;

M.A. University of Kentucky

SHARON A. BRITTON 1996

Director of Communications

B.A. Assumption College;

M.A. Clark University

SANDRA L. BUTTERS 2003

Director of the Parent Fund

B.A. Gordon College

DAVID WILLIAM CHASE 1996

Director of Stewardship

B.A. Brown University

MICHAEL JOSEPH EBNER 1995

Protestant Chaplain

Director of Alumni Affairs

B.A. Rollins College

LAURA F. EWING 2003

Assistant Director of Annual

Giving

B.A. Denison University

DAVID ALEXANDER FLASH 2001

Director of Gift Planning

B.A. Bates College

JOHN S. GARVAN III 1999
Leadership Gifts Officer
B.A. Yale University

PATRICIA H. GERETY 2000
*Assistant Director of Alumni
Affairs for Classes/Reunions*
A.S. Chandler School

BARBARA D. GROSS 2003
Leadership Gift Officer
B.A. Bowdoin College

ELLIOT HACKER 1992
*Comptroller and Assistant
Treasurer*
A.B. Bowdoin College;
M.B.A./M.S. Northeastern
University School of
Accounting

ELLEN GIBSON HARDY 1994
Director of Design Services
A.S. Garland Junior College

ANN CARROLL HARRIS 1996
*Director of Class, Reunion
and Parent Giving*
B.A. Trinity College;
M.B.A. Boston University

RICHARD T. HOWE 2001
*Associate Director of
Regional Associations*
B.A., M.B.A. Harvard
University

NANCY E. IMBRIANO 1997
*Associate Director of
Annual Giving*

JODY CATHERINE
MACARTHUR JOHNSON 2001
Leadership Gift Officer
B.A. Bucknell University

GERRIT M. KEATOR 2000
Leadership Gift Officer
B.A., M.A.T. Yale University

DEBORAH TAYLOR MARTIN
1992
*Director of Personnel and
Business Services*
B.A. Denison University

THERESA MARIE PEASE 1994
Director of Editorial Services
B.A. Emerson College

ALISON ELIZABETH PICOTT
2001
Leadership Gift Officer
B.A. Trinity College, J.D.
University of Pittsburgh

CHARLES ANDREW
RICHARDSON 1989
*Assistant Director of
Annual Giving*
B.A. Bates College

VALERIE A. ROMAN 1997
*Director of Technology
and Telecommunications*
B.A. Wellesley College

TANA G. SHERMAN 1999
*Director of Public Information
and Web Development*
B.S. Northwestern University

ERIC C. STEINERT 1998
*Associate Director of Annual
Giving*
B.A. Kenyon College;
M.M. Brandeis University

ALICE Y. TUNG 1997
*Assistant Director of the
Parent Fund*
B.S. University of
Massachusetts at Lowell

RUTH B. WEINER 1998
*Assistant Director of Annual
Giving*
B.A. Case Western Reserve

MARY L. WILI 2003
Associate Director of the LAP
B.A. Smith College

MICHAEL EDWARD WILLIAMS
1992
Director of Facilities
A.B. Harvard College

ABBOT ACADEMY EMERITAE

HOPE COOLIDGE
*Director of Food and Housing,
Emerita*
Acton, Massachusetts
1938-1962

ANNA ROTH
Instructor in History, Emerita
Franklin, Massachusetts
1942-1956

PHILLIPS ACADEMY EMERITI

ROBERT WHITTEMORE SIDES
A.B.
*Director of Admissions and
Instructor in Mathematics
and Navigation, Emeritus*
Marblehead, Massachusetts
1938-1972

SIMEON HYDE JR.
A.M.
*Instructor in English,
Dean of the Faculty,
Associate Headmaster, Emeritus*
Portland, Oregon
1950-1974

HART DAY LEAVITT
A.B.
Instructor in English, Emeritus
Andover, Massachusetts
1936-1975

STEPHEN WHITNEY
M.A.
Instructor in French, Emeritus
Barrington, New Hampshire
1936-1977

WILLIAM HAYES BROWN
M.A.

Instructor in English, Emeritus
Bath, Maine
1948-1979

ALBERT KARI ROETHIG
ED.D.

*Counselor, Instructor in
Psychology, Emeritus*
Francesstown, New Hampshire
1954-1980

WILLIAM BIGGS CHITT JR.
MUS.ED.B.

Instructor in Music, Emeritus
Washington Court House,
Ohio
1956-1981

DALTON HUNTER McKEE
A.B.

Admissions Officer, Emeritus
Newburyport, Massachusetts
1953-1981

WILLIAM LOUIS SCHNEIDER
MUS.ED.B.

Instructor in Music, Emeritus
Mont Vernon, New Hampshire
1949-1981

FREDERIC ANNESS STOFF
A.B.

Secretary of the Academy, Emeritus
Andover, Massachusetts
1951-1982

SHIRLEY J. RITCHIE
B.S.

*Instructor in Physical
Education, Emerita*
Temple Hills, Maryland
1950-1984

ATANSON PIERCE STEVENS III
M.A.

Instructor in Russian, Emeritus
Cornish, New Hampshire
1962-1985

HILDA STROOD WHEAT
M.S.

*Instructor in Physical Science,
Emerita*
Centerville, Massachusetts
1967-1985

SAMUEL IRVINE ALLISON
ANDERSON
M.A.

Instructor in French, Emeritus
Barnstable, Massachusetts
1968-1986

PETER JOSEPH BALLYKO
S.B.

*Assistant to the Comptroller,
Emeritus*
Nashua, New Hampshire
1970-1986

GEORGE A. NELSON JR.
M.ED.

Business Manager, Emeritus
Naples, Florida
1972-1986

PHILIP BROWNHIE WELD
M.S.

*Instructor in Chemistry
and Physics, Emeritus*
Windham, New Hampshire
1951-1986

SHERMAN DRAKE
ED.M.

*Instructor in Mathematics,
Emeritus*
Centerville, Massachusetts
1953-1987

EDMOND E. HAMMOND JR.
SC.M.

*Instructor in Mathematics,
Emeritus*
Brunswick, Maine
1953-1987

JAMES LIGHTON BUNSELL
M.A.

*Instructor in History and Social
Science, Director of Andover
Summer Session, Emeritus*
Savannah, Georgia
1967-1988

J. LAURENCE POWELL
S.B.

*Consultant to the Science
Division, Assistant to the
Director of Computing,
Emeritus*
Barrington, Rhode Island
1980-1988

LOUIS JOHN HOUTSMA JR.
ED.M.

*Instructor in Mathematics,
Emeritus*
Williamsburg, Virginia
1953-1989

JEAN CRAWFORD McKEE
B.A.

*Director of Summer Session
Admission, Emerita*
Sunapee, New Hampshire
1974-1989

PETER QUACKENBUSH McKEE
ED.M.

*Associate Headmaster,
Instructor in Physics, Emeritus*
Sunapee, New Hampshire
1947-1989

PHYLLIS WINDOVER POWELL
M.A.

*Instructor in History and
Social Sciences, Director of
the Summer Session, Emerita*
Barrington, Rhode Island
1976-1989

FRANK MCCORD ECCLES
M.A.
*Instructor in Mathematics,
Co-Director of Andover
Dartmouth Teachers Institute,
Emeritus*

Andover, Massachusetts
1956-1990

HELEN M. ECCLES,
A.B.
*Co-House Counselor
Co-Director of Andover
Dartmouth Teachers Institute,
Emerita*
Andover, Massachusetts
1975-1990

BARBARA HAWKES
M.A.
Instructor in Biology, Emerita
North Chelmsford,
Massachusetts
1972-1991

JOHN RICHARD LUX
B.S., M.S.
*Instructor in Mathematics,
Emeritus*
Andover, Massachusetts
1949-1991

HAROLD HOLMES OWEN
M.A.
*Instructor in Theatre and
English, Emeritus*
Camden, Maine
1955-1991

CRISTINA ALONSO RUBIO
Instructor in Dance, Emerita
Madrid, Spain
1965-1991

GORDON GILMORE BENSLEY
A.B.
Instructor in Art, Emeritus
Andover, Massachusetts
1949-1992

MARION FINBURY
A.B.
*Associate Director of College
Counseling, Emerita*
Haverhill, Massachusetts
1969-1992

GEORGES NICOLAS KRIVOBOK
M.A.
*Instructor in French and
Russian, Emeritus*
Sinsheim, Germany
1969-1992

AUDREY NYE BENSLEY
Instructor in Art, Emerita
Andover, Massachusetts
1965-1993

DONALD H. BADE
B.B.A.
Comptroller, Emeritus
Byfield, Massachusetts
1975-1994

ALOYSIUS JOHN HOBAUSZ
S.B.
*Director of the Audio Visual
Center, Emeritus*
Sunapee, New Hampshire
1957-1994

GEORGE HOWARD EDMONDS
B.A., Ed.M.
Instructor in English, Emeritus
Andover, Massachusetts
1961-1995

EVERETT EUGENE GENDLER
B.A., M.H.L.
*Jewish Chaplain, Instructor
in Philosophy and Religious
Studies, Emeritus*
Great Barrington,
Massachusetts
1977-1995

PATRICIA HOPE EDMONDS
A.B., A.M.T.
*Secretary of the Academy,
Emerita*
Andover, Massachusetts
1974-1996

GEORGE WILLIAM BEST
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*Instructor in Mathematics,
Emeritus*
Brewster, Massachusetts
1958-1996

CARROLL WESLEY BAILEY
B.A., J.D.
Instructor in English, Emeritus
Andover, Massachusetts
1970-1997

YOLANDE L. BAYARD
B.S., M.A.
Instructor in French, Emerita
New Market, New Hampshire
1973-1997

ROBERT ANDREW LLOYD
B.A., M.Arch.
Instructor in Art, Emeritus
Middletown Springs, Vermont
1962-1997

SUSAN MCINTOSH LLOYD
A.B., M.A.T.
*Instructor in History and Social
Science and in Music, Emerita*
Middletown Springs, Vermont
1968-1997

JOHN RICHARDS II
A.B., M.A.T.
*Instructor in History and
Social Science, Emeritus*
Sunapee, New Hampshire
1959-1997

PETER M. CAPRA
B.A., M.B.A.
*Senior Consultant in OAR,
Emeritus*
Rocky Hill, Connecticut
1989-1998

CHRISTOPHER CAPEN COOK
A.B., M.F.A.
Instructor in Art, Emeritus
Portsmouth, New Hampshire
1964-1998

CARL EDWARD KRUMPI JR.
A.B., A.M.
*Instructor in Classics and in
History and Social Science,
Emeritus*
Cambridge, Massachusetts
1960-1998

ELIZABETH CHAMBERLAIN
KRUMPI
B.A., M.A., Ph.D.
*Co House Counselor,
Academic Adviser, Conley
House Manager, Emerita*
Cambridge, Massachusetts
1981-1998

THOMAS TOBIAS LYONS
B.A., M.A.E.
*Instructor in History and
Social Science, Emeritus*
Newburyport, Massachusetts
1963-1999

GERALD SHERTLER
A.B., B.F.A., M.F.A.
Instructor in Art, Emeritus
Brookline, Massachusetts
1957-1999

JOSEPH BELLEAU WENNIK
B.A., M.A.
*Instructor in German, Director
of Alumni Affairs, Emeritus*
Newbury, Massachusetts
1967-1999

A. JOHN PAITEN CHIVERS
A.B., A.M.
Instructor in German, Emeritus
Wentworth, New Hampshire
1960-2000

EDWARD BARNARD GERMAN
B.A., M.A., Ph.D.
Instructor in English, Emeritus
Dublin, New Hampshire
1979-2000

HARRISON FAIRFIELD MCCANN
B.A., M.A.
Instructor in Spanish, Emeritus
Andover, Massachusetts
1976-2000

THOMAS JOSEPH REGAN
B.A., M.A.
Instructor in English, Emeritus
Cotuit, Massachusetts
1955-2000

SARAH EMMONS WARREN
A.B.
*Director of the Language
Learning Center, Emerita*
Newburyport, Massachusetts
1982-2000

J. PHILIP ZAEDER
B.A., M.Div.
*Instructor in English, Dean
of Faculty, Emeritus*
Milton, New Hampshire
1977-2000

DOUGLAS EVERETT CRABTREE
A.B., M.A., Ph.D.
*Instructor in Mathematics,
Emeritus*
Andover, Massachusetts
1971-2001

JOHN KENNEDY McMURRAY
B.A., M.A.T.
Instructor in Art, Emeritus
Addison, Maine
1968-2001

VINCENT PASQUCCI
A.B., M.A., Ph.D., Ph.D.
*Instructor in Classics and
Modern Languages, Emeritus*
Andover, Massachusetts
1964-2001

MEREDITH PRICE
A.B., M.A.T.
Instructor in English Emeritus
Andover, Massachusetts
1963-2002

ELIZABETH WINGARD CULLEN
B.A., M.A.
Leadership Gift Officer
West Chester, Pennsylvania
1987-2003

FRANCESCA PIANA
B.A., M.A.
*Instructor in Spanish
Instructor in History and
Social Science*
Arlington, Massachusetts
1986-2003

SUSAN GARTH STOFF
B.A., M.C.R.P.
Director of Business Services
Andover, Massachusetts
1981-2003

ROBERT LEE CRAWFORD
B.A., S.T.B., M.A.
*Instructor in History and Social
Science on the Class of 1946
Teaching Foundation*
Andover, Massachusetts
1971-2004



TRAVELING TO ANDOVER

If traveling by car from Boston, take Route 93 north for about 19 miles. Take Exit 41, then turn right (east) and follow Route 125 for two miles. Turn right onto Route 28, and go north three miles to the Andover campus. Turn right after the bell tower onto Salem Street. The Shuman Admission Center is on the right. Parking is located behind the building.

If driving from Logan Airport, follow the signs to Boston via the Summer Tunnel and follow Route 93 north signs, then follow the directions above.

From Route 495 north or south take Exit 41, marked Andover, and proceed south on Route 28 through the town of Andover. The Phillips Academy campus is approximately one mile south of the center of town. At the traffic light at the intersection of Main Street and Salem Street (at the bell tower), make a left onto Salem Street. The Shuman Admission Center is on the right. Parking is located behind the building.

The Mass. Bay Transportation Authority runs commuter trains to Andover from Boston. Call them at 617-222-3200 or 800-392-6100 or visit their Web site: www.mbta.com.

Andover Inn
Chapel Avenue, Andover
978-475-5903 or 800-212-5903

Comfort Suites
106 Bank Road, Haverhill
(Exit 49 off Route 195)
978-374-7755
800-228-5160

Courtyard Marriott
10 Campanelli Drive, Andover
(Exit 45 off Route 93)
(Next to Wyndham Andover Hotel)
978-791-0700 or 800-228-9290

Hampton Inn
224 Winthrop Avenue,
North Andover/Lawrence
(Exit 42A off Route 495)
978-975-4050 or 800-926-7866

Holiday Inn
Lewksbury/Andover
41 Highwood Drive, Lewksbury
(Exit 39 off Route 495)
978-640-9000
800-465-4329

Residence Inn Boston Andover
500 Minuteman Road
(off River Road), Andover
(Exit 45 off Route 93)
978-683-0382 or 800-331-3431

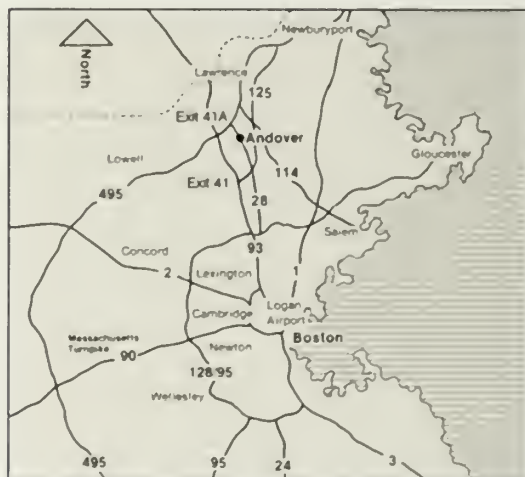
Fairfield Inn by Marriott
1695 Andover Street, Lewksbury
(Exit 39 off Route 195)
978-640-0700 or 800-228-2800

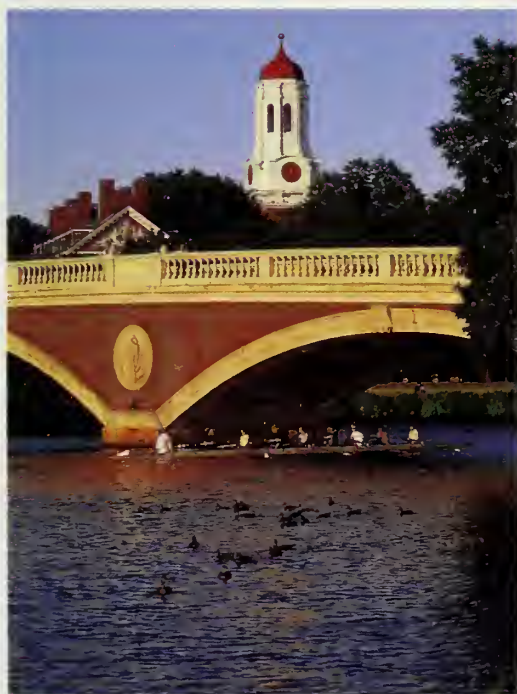
Wyndham Andover Hotel
123 Old River Road, Andover
(Exit 45 off Route 93)
978-975-3600 or 888-949-3300

Spring Hill Suites
550 Minuteman Road, Andover
(Exit 45 off Route 93)
978-688-8200

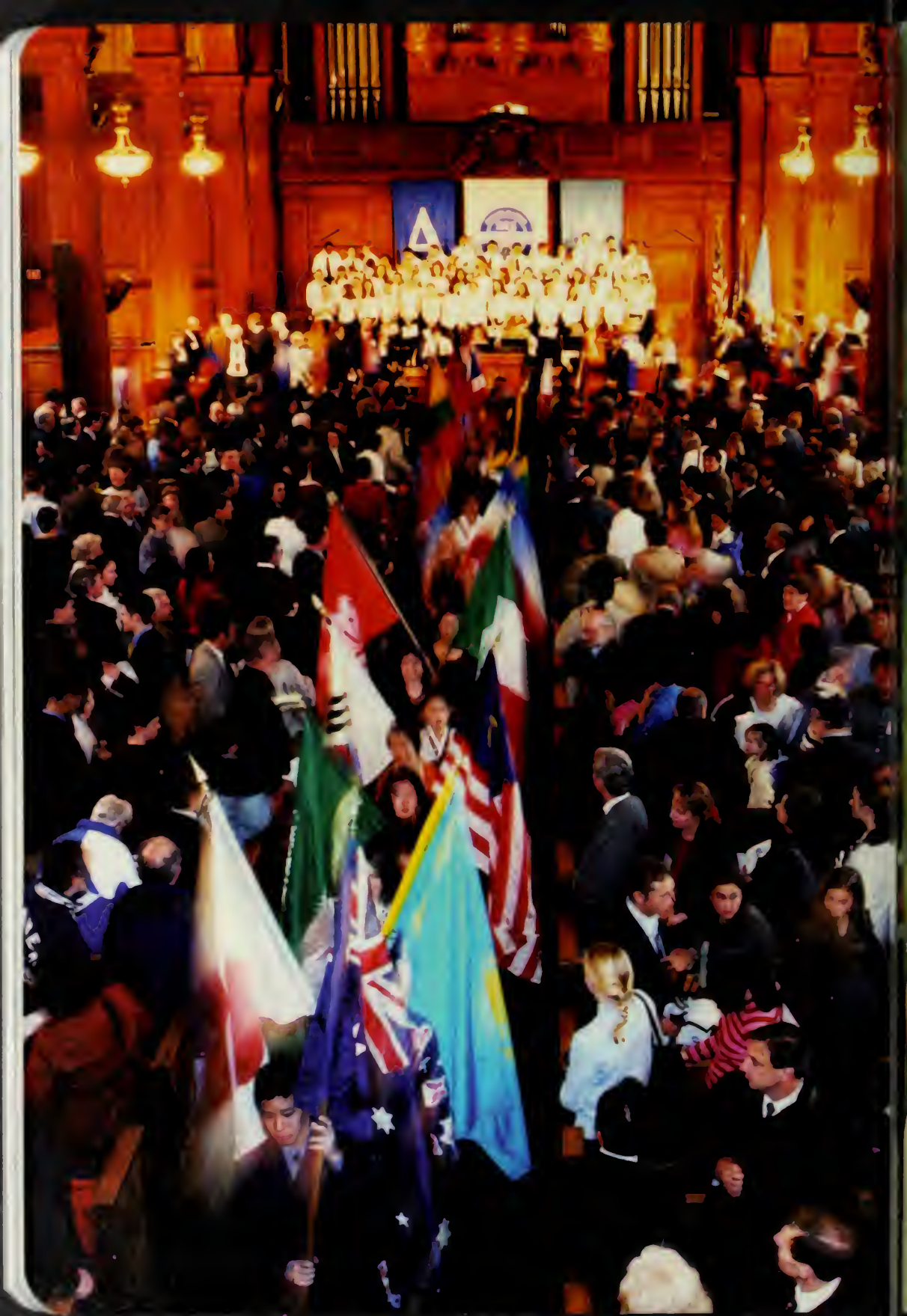
Hawthorn Suites
4 Riverside Drive, Andover
(Exit 45 off Route 93)
978-475-6000

Staybridge Suites by Holiday Inn
4 Technology Drive, Andover
(Exit 45 off Route 93)
978-686-2000 or 800-238-8000





Andover is a 30-minute drive from downtown Boston and Cambridge. Public transportation is available from downtown Andover to Boston. (See p.176.)







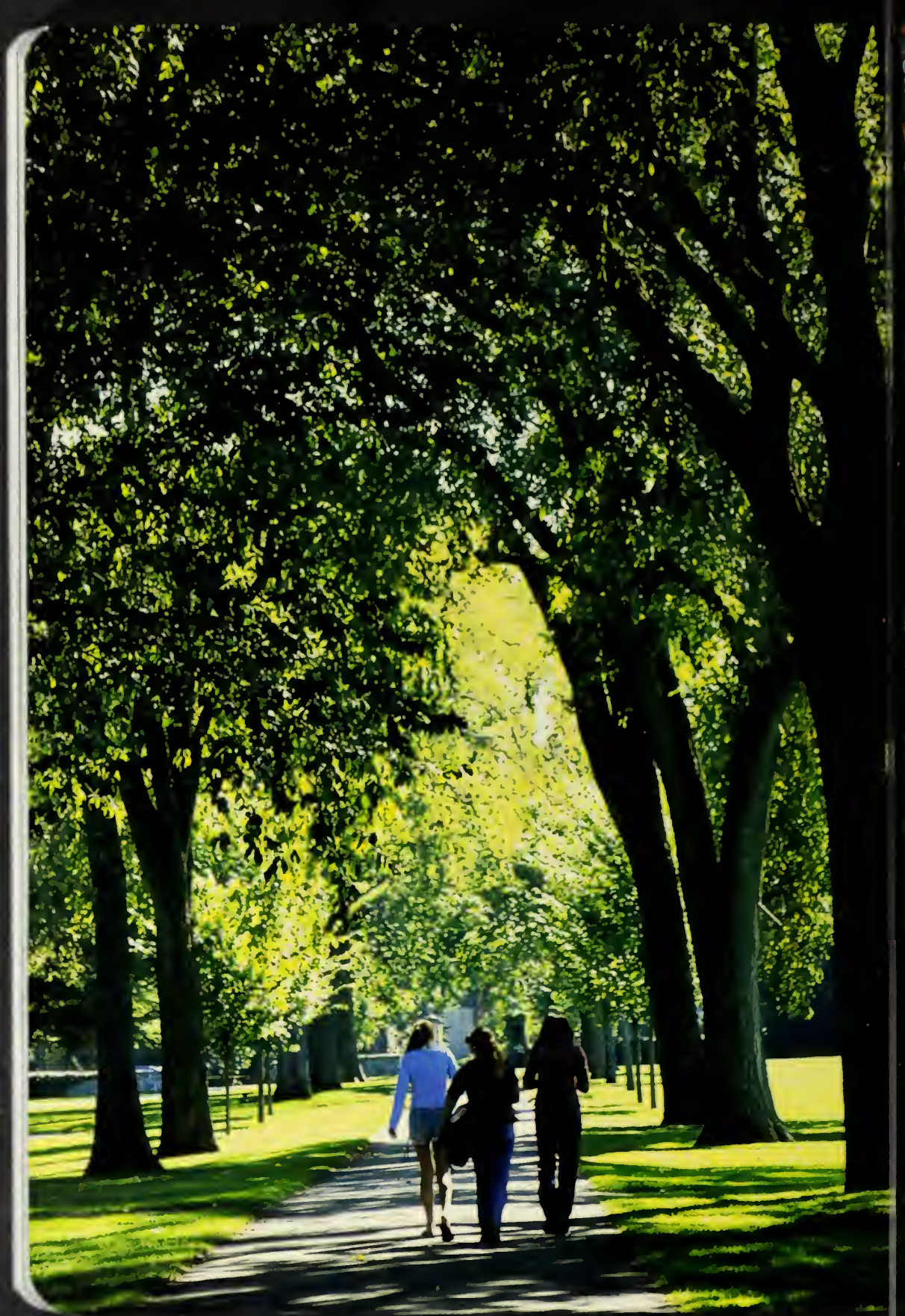
"The best advice I could give to an incoming student is to be open to everything. Coming to Andover as a focused hockey player, I decided to try crew in the fall. A year later, crew has become my main sport at Andover, and some of my most cherished moments are from rowing on the Merrimack."

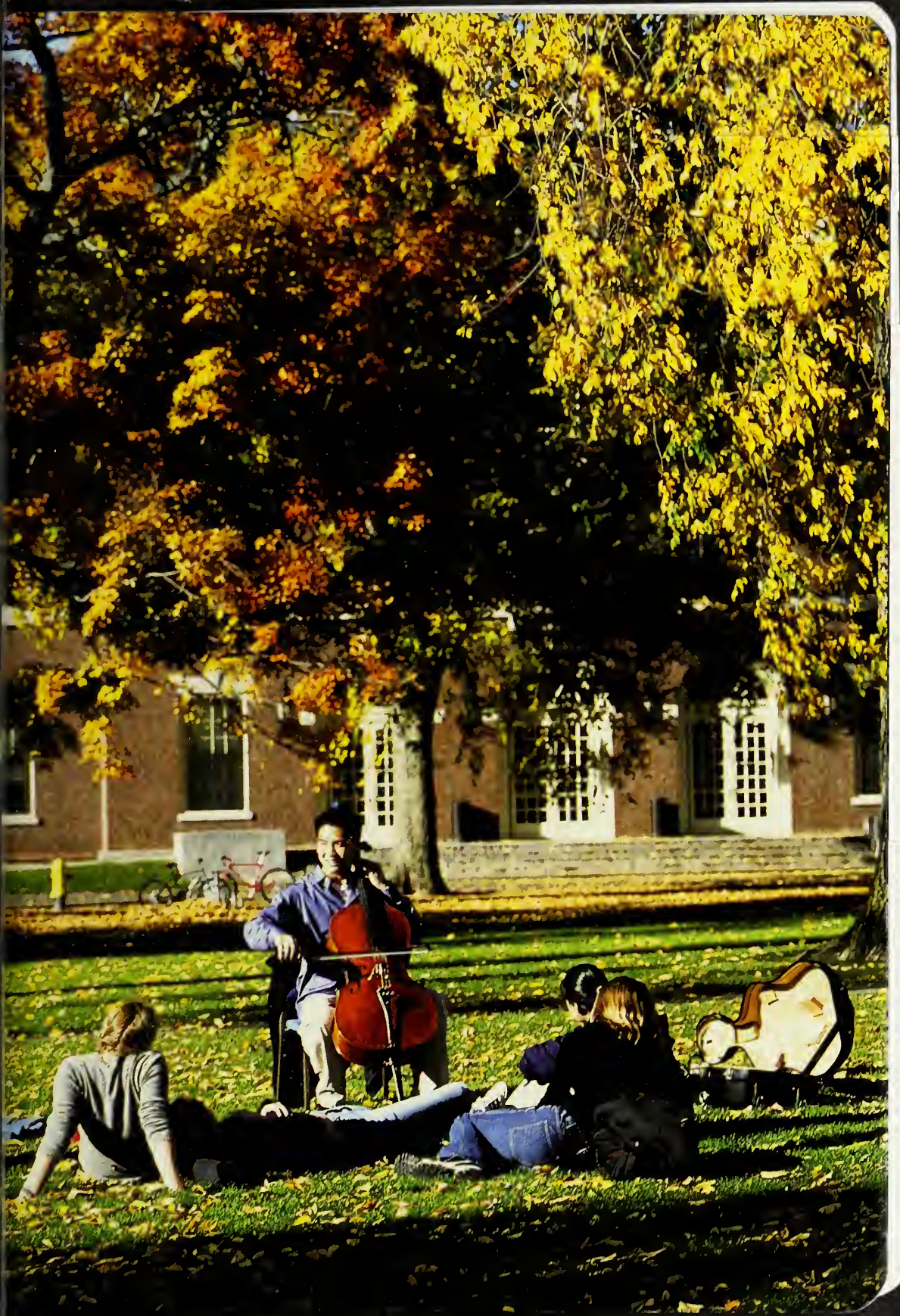
—Justin Yi '06, Princeton, N.J.

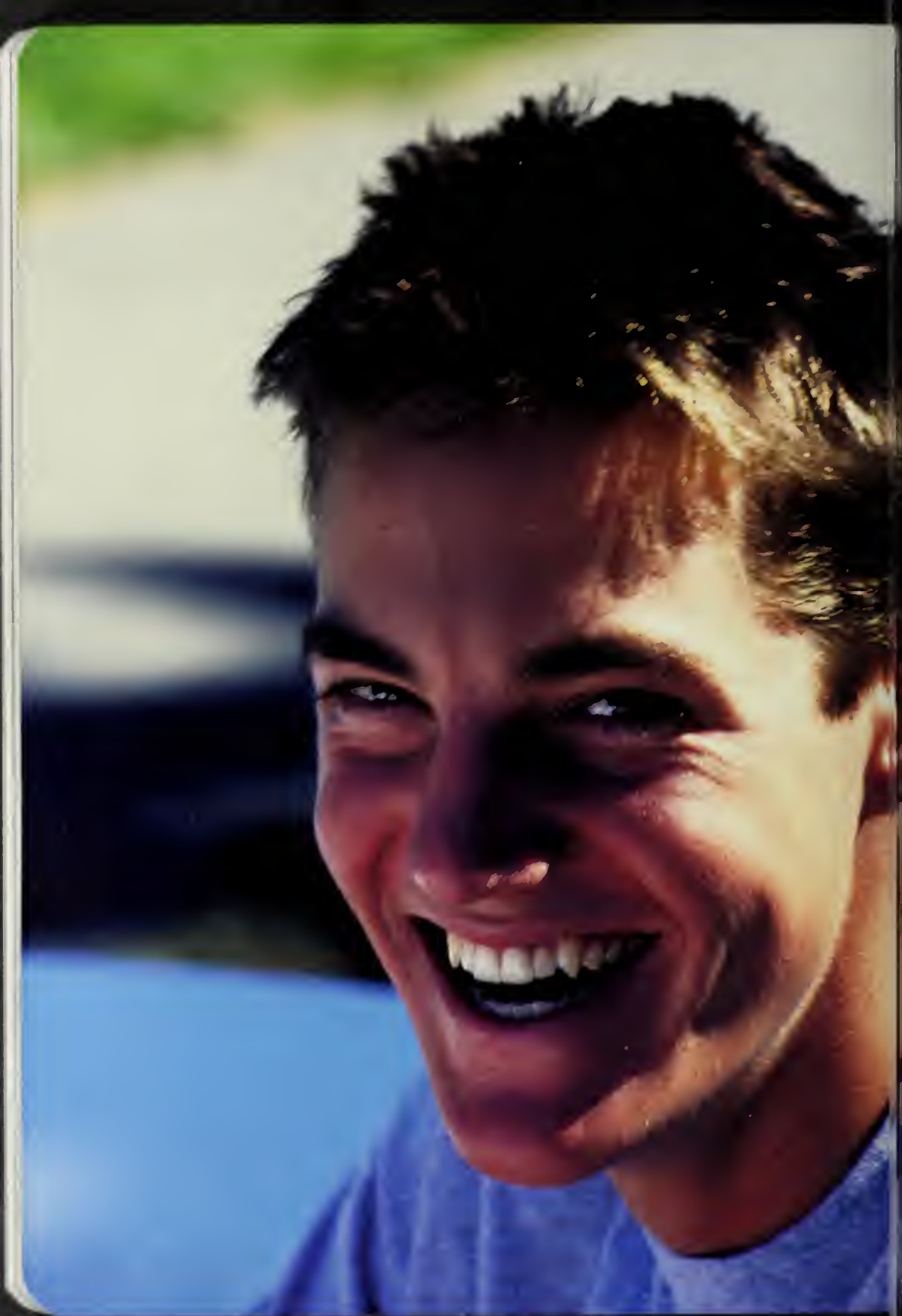


"I think the most important thing for new students to bring to Andover is an open mind. The students at Andover are diverse and unique. Every person has an interesting story to tell. The important thing is to be willing to listen to everyone's story. The most important lessons you will learn here will be from your fellow students."

—Amy O'Gorman '04, Mobile, Ala.









Notes on Andover:



Notes on Andover:



INDEX

Academic Calendar	192	College Counseling	73
Academic Advising	72	College Matriculations	153
Academic Departments	52-70	Community and Multicultural Development (CAMD)	89
Academic Program	46	Community Service	113-114
Activities	94-95	Complementary Programs	74-76
Administration	159, 170	Computer Center	38
Admission	123-149	Contents, Table of	4-5
Financial Aid and Planning	126-130	Counseling Center	88
The Andover Plan	129-130	Course Placement	47
Application Deadline	123	Course List	52-70
Application Procedures	123-126	Curriculum	46
Interview Schedule	124	Daily Life	90-93
Advisers, academic	72	Dance	70, 107
Alumni Admission Representatives	131-142	Day Student Candidates	124
Andover Plan	129-130	Deans of the Residential Clusters	85, 159
Applications		Deposit	126
for admission	123-126	Dining Facilities	91
for financial aid	126-129	Directions to Andover	176
Archaeology		Discipline	88
The Robert S. Peabody Museum of	36	Dormitories	85
Art	52, 107	map of	<i>inside back pocket</i>
Art Gallery		Drama	38, 70, 107-111
Addison Gallery of American Art	33-34	Early Decision	126
Athletics	101-105	Ecology	66, 68
Bills, payment of	127	Emeriti Faculty	172-174
Biology	66-67	English	54
Brace Center	36	Environmental Science	68
Buildings	24	Examinations for Admission	125-126
map of	<i>inside back pocket</i>	Expenses	126
Calendar for Academic Year	192	Faculty	25, 41, 160-174
Campus	24	Fees and Expenses	126-127
Chemistry	68	Financial Aid	127-129
Chinese	55	application for	128-129
Class Size	25	Foreign Languages	55-56
Classical Studies	53		
Clubs and Activities	94-95		
Cluster System	27, 85		
College Admission	153		

INDEX

French	55	Psychological Counseling	88
Geographical Distribution	154	Psychology	65
German	55	Religious Services, Programs and Activities	88
Grade Levels	26	Residential Education	87
Greek	53, 55	Residential Life	83-93
Greeting from Head of School	10	Resources	24, 33-39
Head of School	10, 159	Rules	88
Health Care	87-88	Russian	55-56
History and Social Science	57	Sanctuary, Moncrieff Cochran	37
History of Phillips Academy	19	Scholarships	127-129
Hotels, Motels	176	School Costs and Affordability	126-130
Introduction to Andover	14	School Year Abroad	74
Isham Health Center	87	Science	66-69
Japanese	55-56	Standardized Testing (SSAT, ISEE, TOEFL, PSAT, SAT)	125-126
Language Learning Center	39, 56	Social Science	57
Languages, Foreign	55-56	Spanish	55-56
Latin	53, 55-56	Sports	101-105
Library, Oliver Wendell Holmes	35	Statement of Purpose	17
Loans	127-130	Students, Student Life	83-95
Map of the Campus	<i>inside back pocket</i>	Student Publications	94-95
Mathematics	62	Summer Session Programs	75-76
Medical Care	87	Table of Contents	4-5
Modern Foreign Languages	55-56	Theatre	38, 70, 107-111
(MS) ²	76	Training Room	101
Multiculturalism	89	Trustees	157-158
Music	63, 107-111	Tuition	126
Office of Admission	123, 159	payment schedule	126
Off-Campus Programs	74-75	refund plan	126
Parent Network	143-149	Twelfth Grade or Postgraduate Candidates	126
Philosophy and Religious Studies	64	Visual Art	38-39, 52, 107
Photography	52	Work Program	90
Physics	69		
Postgraduate Candidates	126		
Publications, Student	94-95		



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7/04

CALENDAR 2004-2005



Boys' Varsity Crew Team captures first place in the 2003 New England Interscholastic Rowing Association Championship in Worcester, Mass.

FALL TERM

Sept. 7, Tues.
Sept. 11, Sat.
Sept. 12, Sun.
Sept. 14, Tues.
Sept. 25, Sat.
Oct. 22, Fri.
Oct. 29-31, Fri.-Sun.
Nov. 1, Mon.
Nov. 13, Sat.
Nov. 23, Tues.
Nov. 29, Mon.
Dec. 6, Mon.
Dec. 11, Sat.

Faculty return
New students arrive and register
Returning students arrive and register
Classes begin
Yom Kippur (no classes)
Midterm academic review
Parents' Weekend (all parents)
College Visiting Day (no classes)
Andover-Exeter Athletic Contests
Thanksgiving vacation begins, 1:35 p.m.
Thanksgiving vacation ends, 8 p.m.
Classes end, 1 p.m.
Winter vacation begins, 12 noon

WINTER TERM

Jan. 3, Mon.
Jan. 17, Mon.
Feb. 4, Fri.
Feb. 14, Mon.
Feb. 26, Sat.
Mar. 8, Tues.
Mar. 12, Sat.

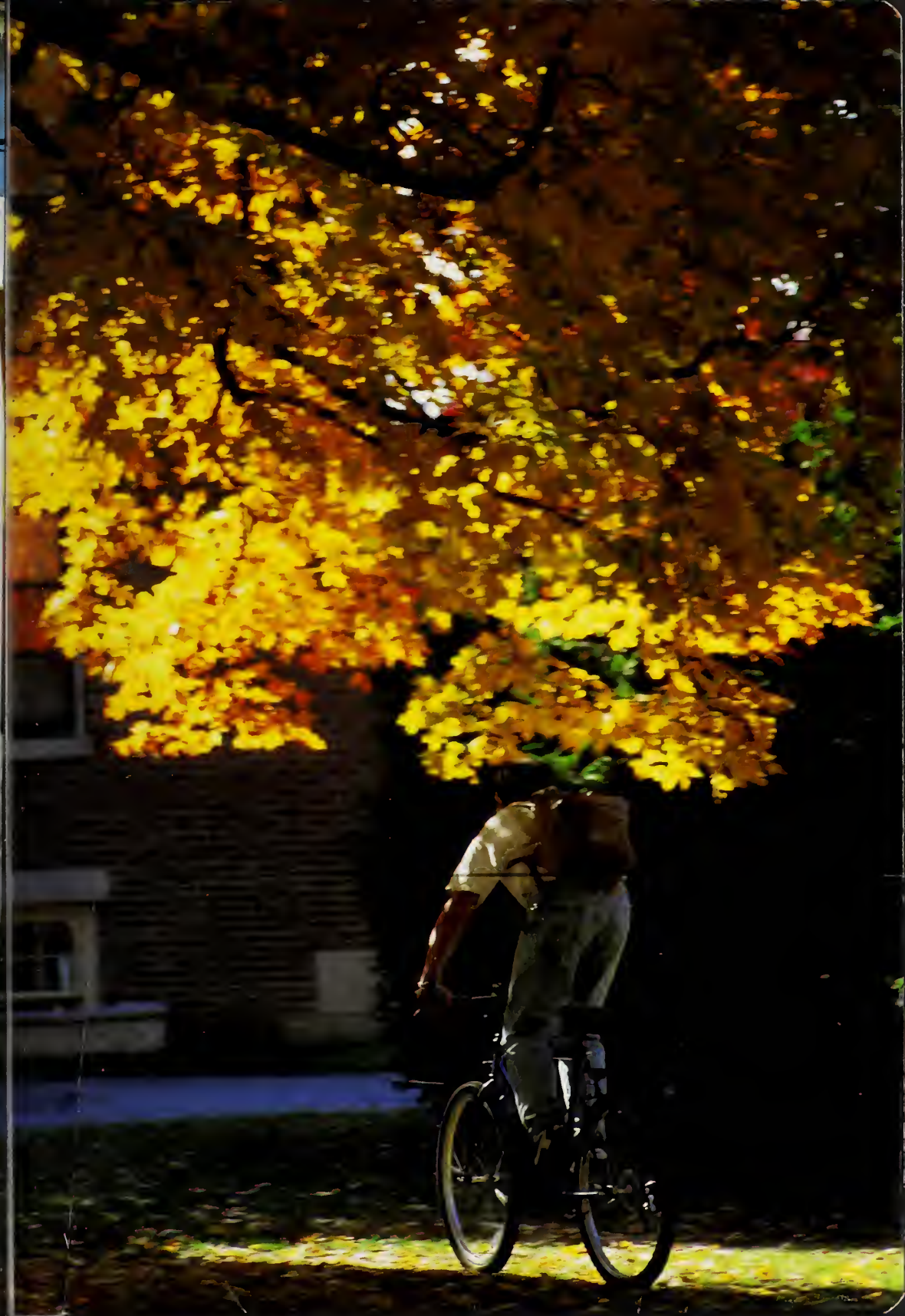
Winter vacation ends, 8 p.m.
Martin Luther King Jr. Day (special schedule)
Midterm academic review
Midwinter holiday (no classes)
Andover-Exeter Athletic Contests
Classes end
Spring vacation begins, noon

SPRING TERM

Mar. 28, Sun.
Apr. 18, Mon.
Apr. 29, Fri.
May 14, Sat.
May 22, Sun.
May 23, Mon.
May 27, Fri.
May 28, Sat.
June 2, Thurs.
June 5, Sun.

Spring vacation ends, 8 p.m.
College Visiting Day (no classes)
Midterm academic review
Grandparents' Day
Senior Prom
No classes
Classes end, 5:35 p.m.
Andover-Exeter Athletic Contests
Summer vacation begins, 6 p.m.
Commencement

Six-day weeks include Saturday classes on Oct. 2, 23, Nov. 20, April 9, 30 and May 14.





- | | | | |
|-----|---|-----|---|
| 2 | Abbot Hall, A3 | 120 | Newman House* [FLG], F6 |
| 3 | Adams Hall* [WQS], F7 | 121 | Newton-Hinman House, G4 |
| 4 | Addison Gallery of
American Art, D3 | 98 | 1924 House, G2 |
| 82 | Admission Office
[Shuman Admission Center], F5 | 95 | Oliver Wendell Holmes Library, J |
| 5 | Alumni House* [ABB], B3 | 123 | Park House, C4 |
| 6 | America House* [ABB], B2 | 135 | Paul Revere Hall* [FLG], C4 |
| 8 | Andover Cottage* [WQN], C6 | 126 | Pearson Hall [Classes], F4 |
| 9 | Andover Inn, D3 | 127 | Pease House* [WQN], D6 |
| 13 | Bancroft Hall* [WQN], D6 | 12B | Pemberton Cottage* [WQN], C |
| 19 | Bartlett Hall* [FLG], F4 | 129 | Phelps House, D5 |
| 22 | Benner House [Art], G4 | 133 | Phillips Hall, C4 |
| 63 | Bertha Bailey House* [ABB], A2 | 84 | Power Plant, A3 |
| 23 | Bishop Hall* [WQN], E6 | 11 | Robert S. Peabody Museum of
Archaeology, C4 |
| 24 | Blanchard House* [WQS], F8 | 137 | Rockwell House North* [WQN] and
South* [WQS], D7 |
| 7B | Borden, Memorial and Abbot
Gymnasiums, G6 | 143 | Samaritan House* [ABB], B3 |
| 25 | Bulfinch Hall [English], G5 | 131 | Samuel Phillips Hall [History and
World Languages], F3 |
| 26 | Burr House* [FLG], H4 | 146 | Smith House* [FLG], H4 |
| 175 | Carriage House* [ABB], A4 | 150 | Alfred E. Stearns House* [ABB], D3 |
| 28 | Carter House* [ABB], B3 | 151 | Abbot Stevens House* [PKN], E3 |
| 29 | Case Memorial Cage, H6 | 152 | Henry L. Sumson House* [PKN], F3 |
| 36 | Churchill House, E6 | 160 | Stowe House* [ABB], C2 |
| 66 | Claude M. Fuess House*
[PKN], F2 | 149 | Sumner Smith Hockey Rink, H6 |
| 37 | Clement House* [ABB], B3 | 165 | Taylor Hall* [WQS], E8 |
| 33 | Crocker-Cutler Hall, F3 | 166 | Thompson House* [WQS], F8 |
| 40 | Commons [Dining Hall], G4 | 168 | Tucker House* [WQS], F6 |
| | | 21 | Alice Whitney House* [ABB], B2 |

- 'Dormitory

- ABB—Abbot Cluster
FLG—Flagstaff Cluster
PKN—Pine Knoll Cluster
WQN—West Quad North Cluster
WQS—West Quad South Cluster

Areas of Interest

- A. Abbot Circle, A2-3
- B. Armillary Sphere, E5
- C. Chapel Cemetery, F3
- D. Dormitories around Rabbitt Pond, E2-F2
- E. The Grove, A3
- F. Memorial Place, G5
- G. Merrill Memorial Gateway (Abbot Gates), A2
- H. Moncreiff Cochran Sanctuary, E2-G2
- I. Old Main Campus, B4
- J. West Quadrangle dormitories, E7

Playing Fields and Tennis Courts

- K. Brothers Field, 17
- L. Field House Courts, 18
- M. Isham Field, D8
- N. Phelps Park, H5
- O. Rafferty Field, H2
- P. Rockwell Tennis Courts, D6

Points of Interest

The Phillips Academy Campus

Phillips Academy is an independent, coeducational residential secondary school. Founded in 1778, during the Revolutionary War, it was the first boarding school in the nation to be incorporated (1780). It has been coeducational since 1973, when it merged with adjacent Abbot Academy, at that time the oldest chartered girls' boarding school in New England (1828).

The original academy was housed in an old carpenter's shop "fired up temporarily for school purposes." Today the Andover campus encompasses 450 acres and 150 buildings, including faculty homes. It represents a blend of architectural styles—colonial, Federal, neo-Georgian and modern—spanning the 223 years of the school's existence.

The acquisition of extensive property in the early 20th century and the generosity and vision of an alumnus several decades later gave shape to the modern campus. In 1907, the Andover Theological Seminary, established in 1808, moved to Cambridge, Mass. Phillips Academy, whose campus lay almost directly across Main Street, bought the seminary buildings, situated on Andover Hill. They included the present Foxcroft, Pearson and Bartlet halls. Today Andover Hill remains the focal point of the campus.

In the late '20s and early '30s, Andover trustee Thomas Cochran, a member of the Class of 1890, embarked on a major building and reshuffling program. For several years it was unusual to see entire buildings rolling by on their way to new locations. His ideal was to create a harmonious and ordered design for the central campus, with its Great Quadrangle anchored by Samuel Phillips Hall, the lawn in front of the quadrangle bounded on the south by the Memorial Bell Tower and on the north by the Cochran Chapel, and the vista aligned with Samuel Phillips Hall to create a central axis.

The numbers and letters on or near the illustrated buildings and/or grounds correspond to the legend on the right side of the map.

9. The Andover Inn (built 1930, architect Charles A. Platt, gift of Thomas Cochran, Class of 1890, and two of his friends).

D. Dormitories around Rabbit Pond. These dormitories, Simson House, Elbridge Stuart House, Fuess House and Nathan Hale House, were built between 1958-66 (Benjamin Thompson, architect, the Architects Collaborative).

H. The Moncrieff Cochran Sanctuary. Thomas Cochran purchased and gave this tract of land to the school in 1929, stating his intentions in a letter: "It would be my ideal to make this whole 125 acres a natural piece of ground intersected by paths and adorned by ponds and trees, etc. It would chiefly be a place for the boys to roam through and be inhabited by birds and trees and wild flowers." The sanctuary is named for Cochran's brother, Moncrieff, Class of 1900. A leisurely walk in this area is well worthwhile.

C. Chapel Cemetery. This land was deeded to the trustees of the Andover Theological Seminary in 1820 and was conveyed in 1908 to the trustees of Phillips Academy. Harriet Beecher Stowe, author of *Uncle Tom's Cabin*, who was married to a seminary professor, is buried here.

55. Gelb Science Center. Named for lead donor Richard L. Gelb, former chairman of Bristol-Myers Squibb and a 1941 Andover graduate, the Gelb Science Center opened in January 2004. Boston architects Kallmann, McKinnell and Wood worked closely with the science faculty to create a building that would encourage students to learn science by doing science. The design features flexible laboratory, classroom and conference areas and state-of-the-art technology on three 16,000-square-foot floors, with ample space dedicated to faculty-student collaboration. While focusing on innovative technology and environmental sensitivity, the structure was painstakingly fashioned to complement the Georgian revival look of the campus, with its traditional use of red brick, granite and glass.

116. Samuel F.B. Morse Hall (built 1928, Guy Lowell, architect, the gift of Alfred I. duPont, Class of 1882, and others). The hall was named for the inventor of the telegraph and the Morse Code, who was an 1806 graduate of the school. It houses the mathematics department.

126. Pearson Hall (built 1817), named for Eliphalet Pearson, the academy's first principal (1778-86), was originally part of the Andover Theological Seminary. From 1819 until it was acquired by Phillips Academy in 1908, the building was the center of seminary life, containing Bartlet Chapel, the library and classrooms. In 1922 it was moved to its present site, and a Victorian tower added in 1875 was removed to restore its authentic Bulfinch exterior. It now houses the classics department.

131. Samuel Phillips Hall (built 1924, Guy Lowell, academy architect, 1903-27). Named for the school's founder, this central classroom building was given by more than 2,500 alumni to replace the deteriorating Academy Building that had been in use since 1866. It houses the modern language and history departments. To create the vista that extends to the southwestern end of the school grounds, Cochran, in 1928, moved two brick dormitories and a faculty residence that obstructed the view.

19. Bartlet Hall (built 1820, a gift to the seminary from William Bartlet) was gutted by fire in 1914, then restored. Its fourth story, along with that of neighboring Foxcroft Hall, was removed in 1929 to make the two harmonious with surrounding buildings in the Great Quadrangle.

95. Oliver Wendell Holmes Library (built 1929, Charles A. Platt, architect, gift of Thomas Cochran). The library is named for an 1825 graduate, doctor, poet and father of Supreme Court Justice Oliver Wendell Holmes Jr. With more than 120,000 volumes, it is the largest secondary school library in the country. Renovated and expanded in 1987, it also houses a computer center. In front of the library is the Elm Arch, whose first trees were planted by Squire Samuel Farrar, Phillips Academy treasurer and a founding trustee of Abbot Academy.

B. The Armillary Sphere, designed and cast in 1928 by Paul Manship, is a sundial fabricated in the form of a skeletal celestial dome, with metal hoops representing the equator, ecliptic tropics and Arctic and Antarctic circles. Originally placed in front of Samuel Phillips Hall, it was moved in 1931 by Thomas Cochran, its donor.

47. Day Hall (built 1911, designed by Guy Lowell, and named for its donor, Melville C. Day) is a dormitory. See J, West Quadrangle, for further information.

40. Commons (built 1930, Charles A. Platt, architect, gift of Nathaniel Stevens, Class of 1876; Alfred Ripley, Class of 1873; and Thomas Cochran, Class of 1890) contains one small and four large dining halls, all named for men important in the annals of the academy.

25. Bulfinch Hall (built 1818) is a brick structure built to replace a wooden structure that burned to the ground in 1818. Charles Bulfinch, though not the architect, was certainly the influence behind the design. The building was gutted by fire in 1896 while being used as a gymnasium. In 1901, with the construction of the Borden Gym, it was transformed into a dining hall. In 1937 the structure was again renovated to become the headquarters of the English department.

82. The Shuman Admission Center, seen as the academy's "welcome gate" for new families and prospective students, was completed in 2000 through a gift from trustee Stanley S. Shuman, Class of 1952. The project included 8,000 square feet of new construction plus the refurbishment of an antique wing known as Hardy House. Daring to 1804-05, Hardy House was the third building erected for Phillips Academy and is the oldest to survive. Named for Alpheus Hardy, president of the board of trustees from 1879-84, it was the home of Dr. Eliphalet Pearson, the academy's first principal. It was occupied by principal John Adams, with his wife and 10 children, from 1810-33, and since 1973 has housed the admission office.

F. Memorial Place, built and dedicated in 1995, honors alumni who died in the Korean and Vietnam wars. The monument, proposed by former trustee Richard Phelps '46, was funded by his gift and that of alumni contributors including the Class of 1993.

78. The Memorial Gymnasium (built 1952) was constructed in memory of alumni who had been killed in World War II. Attached to it on the east is the earlier Borden Gym (built 1901, gift of Manliw Borden, Class of 1860, and others) and the Abbot Wing, built in 1979.

112. The Memorial Bell Tower (built 1923, gift of Samuel Fuller, Class of 1891) was constructed in memory of Phillips Academy graduates who lost their lives in World War I and of those descendants of the Rev. Samuel Fuller, D.D., first rector of Christ Church, Andover, who had been members of the academy.

120. Newman House (built 1811 by Deacon Mark Newman). Newman was principal from 1795-1810, later clerk of the PA's trustees and president of the trustees of Abbot Academy from its founding in 1828 until 1843. The next occupant, Professor James Murdock, had young Oliver Wendell Holmes as a boarder in 1824. During the Civil War, Professor Emerson of the seminary harbored here fugitive slaves escaping by the "underground railroad" to Canada.

162. Moses Stuart House (built 1812) was given to the seminary by William Bartlet. A faculty home, it is named for its first resident, a noted Hebrew scholar and a prominent figure at the seminary.

J. West Quadrangle's dormitories (built 1911-13), designed by Guy Lowell and given by Melville C. Day, Class of 1858, housed over 170 students, or one-quarter of the student body. They represented a significant step forward in the academy's commitment, begun with the construction of the English and Latin Commons, to provide housing for all its students.

36. Churchill House (built 1885) is also a faculty home and dormitory. Formerly located at the northwest corner of Main and Phillips streets as a professor's residence, it was moved in 1900 to make space for the archaeology building. It was named for Professor John Wesley Churchill, a great master of elocution who taught at the seminary, Phillips Academy, Abbot Academy and Harvard Divinity School.

127. Pease House (built 1814) was first a residence for seminary professors. It was occupied by Leonard Woods, one of the founders of the Andover Theological Seminary, and later by Professor Theodore Pease, who died in 1893, the year he came to the seminary. It is now a faculty home and a dormitory.

129. Phelps House (built 1809) was given to the seminary by William Bartlet, a merchant of Newburyport, as a residence for Dr. Ebenezer Porter, the first president of the seminary. It was later the home of seminary professor Austin Phelps. Since 1934, it has been the home of Phillips Academy's head of school. It was renovated in 1995.

11. The Robert S. Peabody Museum of Archaeology (built 1901, gift of Robert Singleion Peabody) was placed on the site of the old carpentry shop that became the first school building. In 1901, Peabody gave the academy his collection of over 40,000 archaeological specimens, this building in which to house them, and an endowment to assure their proper care.

123. Park House (construction date unknown) was the home for many years of Edwards A. Park, professor at the Andover Theological Seminary and one of the last exponents of Calvinist Orthodoxy in New England. It is now a faculty residence.

48. Double Brick House (built 1829) was constructed as the home of the music master. The dwelling for many years of Samuel M. Taylor, principal from 1837-71, and later of Dr. Cecil Bancroft, headmaster from 1873-1901, it is now a faculty residence and dormitory.

133. Phillips Hall (built 1885) was first a meeting place for trustees and later used as offices by Headmaster Bancroft. Today it houses the Office of Public Safety.

73. Graves Hall (first section built 1882, then completed 1892). Named for William B. Graves, head of the science department from 1866-99 and the first Peabody Professor, it served as the science building until the construction of Samuel F.B. Morse Hall in 1928. Now headquarters for the music department, it was renovated in 1983.

I. Old Main Campus. On the western side are two former fraternity houses, now used as faculty residences. Toward Phillips Street is the site of the old Latin Commons; toward the power plant is the site of the old English Commons. These Commons were the first dormitories, built by the academy in 1834 and 1836 respectively. They consisted of box-like shingled structures with no conveniences, each with room for 12 boys. Scholarship boys were the principal occupants, while other students boarded in town in houses licensed by the academy. The Commons had little or no supervision, but established the principle that the academy should provide housing for its students. By 1906 both Commons had been torn down or removed.

143. Samaritan House (built 1824) was moved to its present location to make way for Cochran Chapel in 1929. Originally an infirmary for seminary students, it was later the residence of principals Cecil F.P. Bancroft (1873-1901) and Alfred E. Stearns (1902-33). Now it is a faculty residence and dormitory.

6. America House (built 1825) was originally a boarding house. In the lower room at the right of the porch, Samuel F. Smith, a student at the Andover Theological Seminary, wrote "My Country, 'tis of Thee" in 1832. It has been used as a dormitory by Phillips Academy since 1919.

117. Morton House serves as a faculty residence and dormitory. Given to Abbot by Judge Marcus Morton, trustee (1896-1939) in the late 19th century, it was not used by the school until 1950, when it served as faculty apartments and then as the business office until 1973.

A. Abbot Circle. Abbot Academy was named after Madame Sarah Abbot of Andover, who donated the original funds to build the first building. The Abbot name and tradition continue at Andover through the Abbot Academy Fund, established after the merger to promote education with "special attention from time to time to the goals of the education of female youth." Like Phillips Academy, Abbot had a clearly defined center of campus, the Abbot Circle, formed by Draper Hall with Abbot Hall and McKeen Hall on either side. Ceremonies, commencement processions, winding of the May pole, Phillips serenades and the Centennial in 1929 all took place on the Abbot Circle.

2. Abbot Hall (built 1829). In 1888, three alumnae donated funds to move it to its present location. In 1906 the Esther Gallery was added to the building and renovations included a chapel and science laboratories. Vacant for several years, the building was renovated as the home of the Brace Center for Gender Studies and the Office of Communications in 1997. It also houses a lecture hall, the Maud Morgan Visiting Artist's Studio and an apartment for the Elson Artist-in-Residence.

50. Draper Hall (built 1890), designed by the Boston firm of Hartwell & Richardson in the Romanesque Revival style, has served as a dormitory, dining hall, infirmary and library. It was renovated into 12 faculty apartments and offices in 1996-97.

111. McKeen Hall. A \$200 contribution from Abbot Academy students in 1892 began the fund raising to build a new classroom building. Twelve years later, McKeen Memorial Hall, named in honor of Philena McKeen, principal of Abbot Academy (1859-1891), was built. Davis Hall, on the first floor, was financed by trustee George G. Davis of North Andover. It served as an assembly and concert hall as well as a gymnasium. The building was renovated in 1989 and now houses the Office of Academy Resources and The Children's Place, a child care center.

E. The Grove, which also includes the Maple Walk, is a wooded area behind the old Abbot campus where girls could seek quiet and seclusion for contemplation. Formerly there were paths, benches and a Garden of Remembrance in the Grove, which was also known as Temperance Woods, because the Women's Christian Temperance Union held outings there in the 1870s.

38. Cochran Chapel (built 1932, Charles A. Platt, architect, given by Thomas Cochran in memory of his parents) is a superb example of neo-Georgian architecture. Religious services, musical performances and other school programs are held here. In 1998 it underwent a substantial renovation, thanks to a gift from David M. Underwood, Class of 1954. The addition of a new balcony enables the entire student body to gather under one roof.

72. Graham House (foundation laid 1915 and building completed a few years later) was formerly one of eight secret social organizations known as "campus societies." In 1950, Headmaster John M. Kemper persuaded the societies to disband and turn the buildings over to the academy. Graham House, named for science teacher James Chandler Graham (1892-1937), is now a center for counseling.

160. Stowe House (built 1828) was originally the place where theological students took their exercise; making coffins! In 1852, Harriet Beecher Stowe had it remodeled as a residence for herself and her husband, Professor Calvin E. Stowe of the Andover Theological Seminary. Later a large wooden west wing was added, and the house became the Phillips Inn. When it was replaced by the Andover Inn in 1930, the wing was demolished, and the house was moved to Bartlet Street, where it is now a faculty residence and dormitory.

4. Addison Gallery of American Art (built 1930, Charles A. Platt, architect, gift of Thomas Cochran). The gallery's total collection encompasses 12,000 works of painting, sculpture and photography. Its collection of paintings represents some of the best in American art, including works by Winslow Homer, Edward Hopper and Thomas Eakins.

12. Elson Art Center (built 1962, Benjamin Thompson, architect, the Architects Collaborative; redesigned 1995, Robert A. Brown, architect, Childs Beniman Tseckares Inc.) adjoins the Addison Gallery, Kemper Auditorium and Underwood Room and includes studios and workshops for all visual art courses except ceramics, plus audiovisual facilities.

112. Foxcroft Hall (built 1808) is the oldest school building. A gift to the seminary from Phebe Foxcroft Phillips, wife of the founder, and her son John, it was originally called Phillips Hall. Its name was changed to Foxcroft upon completion of Samuel Phillips Hall.

169. George Washington Hall (built 1926, Charles A. Platt, architect, gift of Thomas Cochran) is the main administration building, which contains the office of the head of school, other administrative offices, and two theatres, among other amenities. Its name commemorates a visit Washington paid to Andover in his tour of the Eastern states in 1789. He was sufficiently impressed with the school to send one nephew and eight grandnephews to Phillips Academy.

Credits list: Produced by The Office of Communications in conjunction with the Admission Office. Illustration by Wade Zahares. Design by Ellen Hardy. Printing by LaVigne, Inc. 8/04





Phillips Academy
ANDOVER

Andover, Massachusetts 01810-4161

978-749-4050

Web site: www.andover.edu

CANDIDATE'S NAME

Last

First

Middle

1

Candidate Statement

The Candidate Statement, which is Part One of the application process, is found online, in the back of the catalog and in the final application packet. A candidate need only submit one Candidate Statement and the \$40 application fee to initiate the application process this year.

Name _____ Prefer to be called _____
Last First Middle

Address _____
No. Street Apt. No.
City/Town State Country Zip/Postal Code

Home Telephone () _____ Gender ☐ M ☐ F Height _____ ft. _____ in. Weight _____ lbs.
(optional) (optional)

Preferred E-mail _____ We will use this e-mail address for official correspondence.

Date of Birth ____/____/____ Place of Birth _____ Native Language _____
Month Day Year City/State/Country

U.S. Citizen? ☐ Yes ☐ No Social Security No. _____

U.S. Permanent Resident? ☐ Yes ☐ No Alien Reg. No. _____

If No, Citizen of _____ Visa Status _____
Country

Name of Present School _____ Years Attended _____

School Address _____
No. Street City State Country Zip/Postal Code

Present school ends after grade ____ Type of School: ☐ Public ☐ Private ☐ Parochial ☐ Home-school ☐ Boarding ☐ Day

List the names and addresses of any other schools you have attended since sixth grade:

Applying for entrance in September of: ☐ 2005 ☐ 2006 Current grade in school: ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12

Applying for Grade: ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ Postgraduate

Residential Status: ☐ Boarding ☐ Day

If you are applying as a day student, you must reside in one of the following communities. In Massachusetts: Andover, Boxford, Bradford, Dracut, Georgetown, Groveland, Haverhill, Lawrence, Lowell, Lynnfield, Methuen, Middleton, North Andover, North Reading, Reading, Tewksbury, Wilmington; In New Hampshire: Atkinson, Pelham, Plaistow, Salem.

Have you applied to Phillips Academy before? ☐ No ☐ Yes If yes, when? _____

Have you ever attended Phillips Academy Summer Session? ☐ No ☐ Yes If yes, when? _____

Do you have a sibling applying to Phillips Academy this year? ☐ No ☐ Yes If yes, name: _____

For mailing purposes, please indicate with whom the applicant resides: ☐ Both Parents ☐ Mother ☐ Father ☐ Other

Father's Name _____ Father's Occupation _____
Last First Middle

Mother's Name _____ Mother's Occupation _____
Last First Middle

Names of your siblings, if any (including all, attach separate page if necessary):

Last	First	Middle	Age	Current School
Last	First	Middle	Age	Current School
Last	First	Middle	Age	Current School

Alumni Information

Names of relatives, if any, now or previously at Phillips Academy or Abbot Academy (including all, attach separate page if necessary):

Last	First	Middle	Relationship to you	Class
Last	First	Middle	Relationship to you	Class
Last	First	Middle	Relationship to you	Class

Has any member of your family attended boarding school *other* than Phillips Academy or Abbot Academy? ☐ Yes ☐ No

Relationship to you: _____ Which school? _____ When? _____

Background Information (optional)

Phillips Academy is a residential school that seeks students of character and intelligence from diverse ethnic, racial, socioeconomic and geographic backgrounds.

- ☐ African American, Black ☐ Native American, American Indian (tribal affiliation _____)
- ☐ Asian American, Asian, Pacific Islander ☐ Biracial, multiracial, please specify _____
- ☐ European American, Anglo, Caucasian ☐ Other, please specify _____
- ☐ Hispanic American, Latino/a, Chicano/a

Standardized Testing Information

Applicants for grades 9, 10 and 11 must submit either the SSAT or ISEE.

Test Taken: ☐ SSAT ☐ ISEE

Test Date: _____ / _____ / _____
Month Day Year

Twelfth and Postgraduate applicants must submit **either** the PSAT, SAT-I or ACT.

Test Taken: ☐ PSAT ☐ SAT-I ☐ ACT

Test Date: _____ / _____ / _____
Month Day Year

It is recommended that applicants for whom English is not the primary language also submit the TOEFL.

Test Date: _____ / _____ / _____
Month Day Year

Interview Date: _____ / _____ / _____
Month Day Year

Name of Interviewer: _____

SHADED SECTION TO BE COMPLETED BY PARENT/GUARDIAN ONLY

Priority will be given to day student candidates who complete the application procedures by January 15 and to boarding candidates who complete the application procedures by February 1. A decision from the admission committee will be mailed on March 10. The possibility of admission is considerably lessened for all applicants who complete the process after the stated deadline, and decisions for this group will not be rendered before May 1.

Will the applicant be a candidate for financial aid? ☐ No, we will not be applying for financial aid.
☐ Yes, please send financial aid forms.

Note: Every applicant must check one box concerning financial aid.

In consideration of the undertaking by the Admission Office of Phillips Academy to process the undersigned candidate's Final Application and related forms, the undersigned agree that the information furnished on the Final Application forms, together with all information and materials of any kind received by the Admission Office from any source, or prepared by anyone at its request, shall be completely confidential and shall not be disclosed to anyone, including the candidate and his/her family, except that the Dean of Admission may, for official purposes at her discretion, disclose any part or all thereof to such person or persons as she deems advisable.

Candidate's Signature _____ Date _____

Mother's Signature _____ Date _____

Father's Signature _____ Date _____

The required non-refundable \$40 application fee should accompany this form. Checks may be made payable to *Trustees of Phillips Academy*.



Phillips Academy
ANDOVER

Andover, Massachusetts 01810-4161

978-749-4050

Web site: www.andover.edu

CANDIDATE'S NAME

Last

First

Middle

Optional Special Interest Form

Name of applicant _____ Prefer to be called _____
Last First Middle

Home address _____
Number/Street Apartment number

City/Town

State

Country

Zip/Postal Code

E-mail address _____ Phone number _____

School _____ Current grade _____ Gender: Female ☐ Male ☐

Please list and describe your top three interests. Explain the level at which you participate in each activity. For example, include years of participation, level of competition, roles or positions played, recent pieces performed, etc.

1. _____

2. _____

3. _____

Please visit the student section of our Web site at www.andover.edu to learn more about our academic and extracurricular programs. The *Course of Study* is available online and contains specific information about each of our 18 academic departments.

If you would like to receive information through the Admission Office about any of the following programs at Andover, you may check the corresponding boxes. Please make up to three selections.

☐ Art

☐ Community Service

☐ Computers/Technology

☐ English

☐ Foreign Language

☐ History and Social Science

☐ Math

☐ Music

☐ Science

☐ Theatre/Dance

☐ Baseball

☐ Basketball

☐ Crew

☐ Cross-Country

☐ Field Hockey

☐ Football

☐ Golf

☐ Hockey

☐ Lacrosse

☐ Search and Rescue

☐ Soccer

☐ Softball

☐ Squash

☐ Swimming & Diving

☐ Tennis

☐ Track & Field

☐ Volleyball

☐ Water Polo

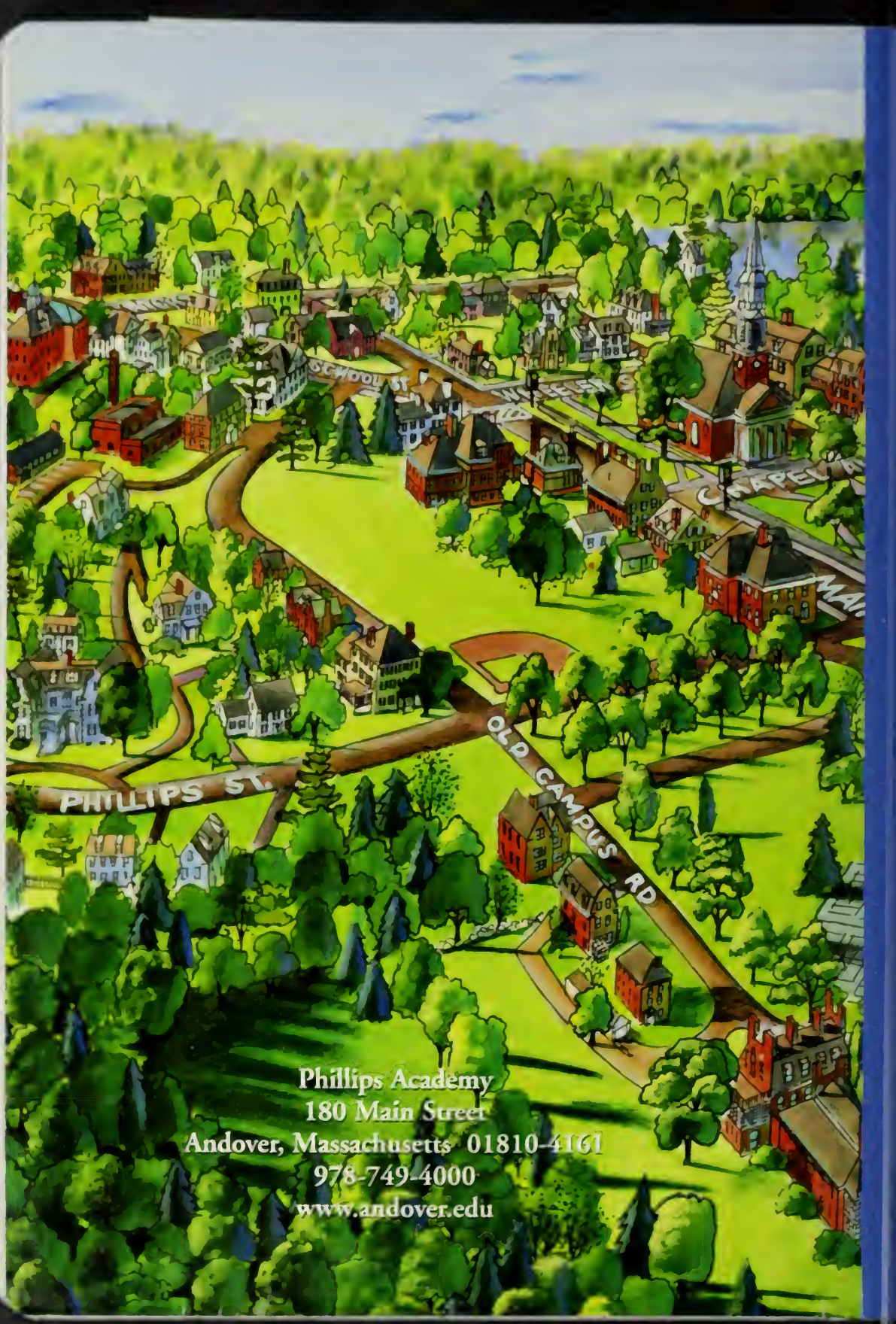
☐ Wrestling

As a prospective student, the best way to learn about Andover is to come to campus for a visit and speak with current students, faculty, and members of the admission staff. You may call our office to schedule an on-campus interview, or you may interview off campus with one of our alumni admission representatives. The Andover application is due January 15 for day students and February 1 for boarding students.

Admission Office
Phillips Academy
180 Main Street
Andover MA 01810-4161

Remember to:

*Enclose application fee
and obtain parent/guardian signature*



Phillips Academy
180 Main Street
Andover, Massachusetts 01810-4161
978-749-4000
www.andover.edu

Andover

Course of Study 2004-2005



*Phillips Academy
Andover, Massachusetts*

Andover

Course of Study 2004-2005

CONTENTS

General Information	2
Planning a Program	5
Key to Course Designation	7
Course Descriptions	7
Art	8
Classical Studies	12
English	12
History and Social Science	19
Mathematics	24
Music	27
Natural Sciences	30
Biology	30
Chemistry	32
Environmental Science	33
Physics	34
Philosophy and Religious Studies	35
Physical Education	37
Psychology	38
Theatre and Dance	38
World Languages	40
Chinese	40
French	41
German	43
Greek	44
Japanese	44
Latin	45
Russian	46
Spanish	47

Course of Study

GENERAL INFORMATION

The Educational Program

Phillips Academy's educational program comprises academic, athletic and community dimensions. The *Blue Book* describes for students and their parents the opportunities, requirements, responsibilities and expectations associated with these different elements. The *Course of Study* focuses on the academic program.

The Academic Curriculum

The curriculum of Phillips Academy comprises a required core of studies believed to be fundamental to a liberal education and elective courses designed to fit the interests of the individual student. Instruction is given in all subjects usually required for entrance to higher learning institutions.

The diploma requirements, chosen by and voted on by the entire faculty as essential elements of the academic program, are designed to ensure that Phillips Academy graduates successfully complete a course of study in a broad range of disciplines and skills which, in the judgment of the faculty, provide the appropriate foundation for a liberal education. The requirements are further specified as to skill level and content by the academic divisions and departments with the oversight of the Academic Council. Certain requirements vary in keeping with the length of time a student attends the academy.

Classroom groups are small enough to permit individual attention, and students are placed in sections fitted to their skill levels. Accelerated sequences and advanced courses offer particularly able and well-prepared students opportunity to progress at a rate commensurate with their ability and ambition. Most departments offer courses beyond the level of preparation for college.

The Trimester Plan

The academic year is separated into three trimesters. There are two types of weekly class schedules, one during which classes meet only Monday through Friday, and the other during which classes also meet on Saturday morning. Within a given week, classes are scheduled to meet according to varying patterns. Many departments offer yearlong courses as well as those that are term-contained (completed in one trimester). The diploma requirements are stated in terms of full-year courses or trimester courses, depending on the academic area involved.

Placement of Newly Admitted Students

Students entering for their first year are sent placement material, including some forms for present teachers to complete and a self-administered diagnostic test in elementary algebra. These items are used by the academy to aid in proper placement or recommendation of course levels. New students are also asked to complete to the best of their ability a course selection form indicating the courses they wish to take during the coming year. Although the placement material may alter somewhat a student's preliminary selections, it is helpful, for planning purposes, to know the levels each student thinks he or she is ready to enter.

Placement in the level of a subject may be independent of a student's grade level in school: through advanced placement at entrance or by taking accelerated courses, many students fulfill requirements early, thereby gaining increased opportunity for college-level or other elective courses.

For full membership in a given grade, students should have credit for the work of the previous grade or its equivalent. However, students are rated as members of a given grade if their deficiencies for full membership in it do not exceed a certain number of trimester courses.

Grade levels at Andover have unusual names. ninth graders are called *Juniors*, 10th graders are called *Lower Middlers* or *Lowers*, 11th graders are called *Upper Middlers* or *Uppers*, and 12th graders and postgraduates are *Seniors*.

International Students

Phillips Academy recognizes that international students who are here for only one year may face unique transitional issues because of their relatively short tenure at the school. It therefore provides some initial specialized courses in English and U.S. history in which language proficiency is less necessary. (See the introductory paragraphs for the English and history sections of this book.) However, all students at Phillips Academy, including international students, are expected to perform competently in the school's basic curriculum.

Advising

Each student has an adviser. This faculty member is expected to guide the student in shaping a well-thought-out, long-term academic program that will incorporate both breadth and depth. In planning a program of studies, the student's needs and aspirations, insofar as they can be identified, are carefully considered, as is the necessity of meeting diploma requirements. The student's needs may include college and career plans, strengths and weaknesses revealed by previous performance and aptitude tests, and character and personal development.

The adviser meets with the new student during the orientation prior to the beginning of classes in September to review and approve the course selections the student has made during the spring or summer. Subsequently the student meets biweekly with his or her adviser to establish a personal relationship and to insure that issues that arise concerning the student's academic program are addressed promptly. Midway through each term the student and the adviser together make or confirm course selections for the upcoming term and review long-range plans.

From time to time during the academic year the adviser (for day students) or the house counselor (for boarders) will report to parents concerning the student's growth and progress. Late in the spring, students in the three lower classes (*Juniors*, *Lowers* and *Uppers*) and their respective advisers will prepare course selections for the coming year; a copy of these selections will be mailed to parents in June. The adviser will welcome any information and suggestions parents may wish to offer.

Workload

Phillips Academy's academic program is based upon the premise that students are capable of studying independently, responsibly and with self-direction.

Students are normally expected to carry five courses each term. Uppers or Seniors who face an unusually demanding term occasionally are advised to cut back to four courses, provided at least three of these are advanced. Over the span of their last two years, students are required to complete at least 27 trimester units.

Programs containing more than five courses require the approval of the Advising Council, a group of senior advisers that meets regularly to advise the dean of studies.

No student may take more than two courses per term in one department. A student who wishes to take two courses in a single department must take a five-course load, with the following exceptions: two math courses when one—and only one—is a computer course; two art courses when one is art history; two music courses when one—and only one—is performance-based. Students who, in the spring term of their senior year, wish to take two courses in one department may do so as part of a four-course load. Taking three courses in a single department is not permitted.

In most courses, especially those taken to meet diploma requirements, class time and homework together can be expected to require a total of about nine hours per week. Certain upper-level elective courses, as noted in their descriptions, may require more than the standard four to five hours of homework per week.

Academic Assistance

Students in need of academic assistance should first seek help from their classroom teachers. Additional help is available at the Academic Support Center (ASC), where students can sign up for peer tutors or work with an adult on study, time management and organizational skills. Other sources for academic support on campus include the Math Study Hall, the Science Study Center, the Writing Center, the CAMD (Community and Multicultural Development Office), Writing Workshop, and language tutoring at the Language Learning Center (LLC).

Phillips Academy does not offer remedial courses, training in English as a Second Language (ESL), or tutoring by faculty members other than out-of-class help offered by teachers to students enrolled in their courses.

In compliance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973 and, upon request, the academy will provide accommodations that are reasonable and appropriate to students with properly documented disabilities. Students who wish to request such accommodations should contact the Coordinator of Services for Students with Disabilities for information concerning the academy's procedures for documenting the disability and the need for accommodation(s). Please know that these procedures can take time and that immediate implementation of accommodations may not be possible.

Attendance

Regular attendance in class is an essential element of a Phillips Academy education. Students are expected to attend all academic classes. Instructors, if approached in advance, are permitted (but not required) to excuse students from a class meeting if the absence from that meeting will not add to weekend time. Only cluster deans may give permission to extend weekend time, and they may do so without consulting instructors.

Diploma Requirements

The basic diploma requirement is the satisfactory completion of a four-year secondary school program, of which at least three trimesters must be at Andover; the student must be in good standing (not on probation or under suspension) at the time of graduation. A student who has been dismissed is ineligible for a diploma unless readmitted.

Trimester credits required for the diploma are:

for entering Juniors	54
for entering Lowers	51
for entering Uppers	48
for entering Seniors	48

A student's required program includes nine trimester credits in English, nine in world languages, eight in mathematics, seven in history and social science and six (two full-year courses) in laboratory science. Details about the manner in which these requirements are to be fulfilled can be found in the opening descriptions of the departments concerned.

In order to be eligible for a diploma, all students must satisfy the swimming requirement of the Department of Physical Education.

Certain diploma requirements vary with the class level at which the student enters Phillips Academy. Entering Juniors must earn two credits in art and two in music and a half credit in theatre. Entering Juniors and Lowers must pass *Physical Education 100* and a one-trimester course offered by the Department of Philosophy and Religious Studies, usually in the Lower year. Entering Lowers must earn a total of three credits in art and music, with at least one in each area. Entering Uppers need pass only one trimester of either art or music at the academy. Some modifications of the language requirement are made for entering Uppers and Seniors. Entering Seniors with no previous world language experience must pass a 195/0 course in a world language. A Senior must earn a minimum of 12 graded trimester credits during the Senior year. Seniors must have passing trimester grades for all courses taken during their spring trimester. Independent Projects are counted as graded courses.

Academic Guidelines

In order to promote both breadth and depth in a student's academic program, the faculty has voted the following guidelines, which are in addition to the diploma requirements listed above. These represent what the faculty *strongly urges* students to do. The advisers recognize that there will always be some acceptable student programs that do not follow these guidelines.

All students, including Seniors, normally carry five courses each term, but students who take at least three courses designated *advanced* or *honors* courses may carry a four-course program. (See below.)

All Juniors and Lowers should take English, mathematics and a world language every term.

By the end of Lower year, each four-year student should have taken some science.

All Uppers should take English all year.

In their Upper and Senior years, students should take a total of at least four trimesters of mathematics and science, with at least one trimester in each of these two areas.

All four-year students should take a year of science (a yearlong course or three terms) in addition to the two-year requirement.

All Seniors should take, during each term, a course in which they do some writing in the English language.

All one-year Seniors should take one term of art, music or theatre.

All three- and four-year students will be advised to take more than the minimum diploma requirements in the arts (art, music, theatre and dance).

Courses Designated as Advanced

The following have been designated advanced courses (see guidelines): *Art* 400 level and above; *English* 400 level and above; *World Language* 400 level and above; and 195/0 courses taken after the diploma requirement has been fulfilled; *History* 400 level and above; *Mathematics* 510 and above; *Music* 400 level and above; *Rel/Phil* 400 level and above; *Science* 500 level and above; *Theatre* 510 and 520.

Accelerated Sequences

The Andover curriculum offers accelerated sequences in most academic departments. It provides special programs in the modern world languages, designed to cover four years' work in three, or five years' work in four. The programs are open, on invitation of the departments, to especially able and ambitious students.

Advanced Placement Courses

A large number of Phillips Academy students take College Board Advanced Placement Tests in May to establish advanced placement in college courses or credit toward the college degree. Advanced Placement examinations are offered in American History, Art History, Art Studio (2), Biology, Chemistry, Computer Science (A and AB), Economics (2), English Language and Literature, Environmental Science, European History, French Language and Literature, German, Government and Politics (2), Latin Vergil and Literature, Mathematics (AB and BC), Music Listening, Music Theory, Physics (C), Psychology, Spanish Language and Literature, and Statistics.

Independent Projects

A Senior whose academic record satisfies specified criteria may apply for the privilege of doing an Independent Project in lieu of a course. Being granted permission to do an Independent Project requires the availability of a faculty mentor to supervise the project; a favorable evaluation of the merits of the proposal; and final approval by the dean of studies and the registrar. At the conclusion of the project, the student receives a grade of Honors, Pass or Fail.

The Abbot Scholars Program

Now in the third year of a three-year pilot, the Abbot Scholars program allows a select group of seniors in their spring term to pursue an academic project while participating in an interdisciplinary research colloquium. In addition, each student gives a presentation to the community. Applications are completed by September, and scholars are chosen early in the fall term.

Special Courses in World Languages

Special courses covering the work of two years in one are open to qualified Seniors in German, Greek, Latin and Russian. These 195/0 courses are designed primarily for students of proven linguistic ability wishing to begin a second or third language in their Senior year, and therefore are not recommended for students of limited language ability. Entering Seniors with no previous world language experience must pass a 195/0 course as a diploma requirement.

Course Enrollments and Cancellations

The school reserves the right to change advertised courses, to alter the dates on which they are offered, and to cancel, at any time up to the third day of classes, any advertised course in which enrollment is judged to be unacceptably small. Likewise, the school has the right to restrict enrollment in any course when sign-ups exceed the departmentally determined course capacity. Students who are enrolled in the first term of a continuing (1, 2, 3) course may have priority in subsequent terms.

Transferring and Dropping Courses

To transfer or drop a course, a student must first obtain a signed *Course Drop/Add Slip* from his or her adviser, then take it to the scheduling officer in George Washington Hall to complete the process. Section changes (same course, different time or teacher) must be approved by the department chair. Requests for a change of teacher will not be considered unless informed by an appropriate period of experience (at least a term). In many cases the academy's belief in the value of teacher-student continuity may override other considerations. No student may transfer into a class without an official transfer slip signed by the scheduling officer. Transfers into term-contained courses must take place during the first five calendar class days of the term. Advisers may approve the dropping of term-contained courses only during the first three weeks of class in a given term. Students wishing to drop a term-contained course after the end of the third week of class in a given term—or a yearlong or two-term (T2) course after the first five calendar days of the course—must ask the dean of studies for permission to petition and obtain the approval of a group of five: the student's counselor, adviser, the instructor, the department chair and the dean of studies. Requests to petition must be made before the end of the second week following mid-term. No requests will be considered after this date. Credit for yearlong and T2 courses is granted, at the discretion of the department chair, only if the student is passing the course at the time it is dropped and only for that portion completed. Yearlong and T2 courses are considered to be long-term commitments. Seniors may not drop yearlong or T2 courses for the spring term.

Failing Trimester and Course Grades

Unless stated to the contrary in a department or course description, a student who receives a failing trimester grade has the option of making up the failure by passing an examination administered by the academic department involved.

The timing of any make-up examination is at the mutual convenience of the student and the department. However, any make-up for either of the first two trimesters of a yearlong course, or for the first trimester of a T2 course, or for the final trimester of a multiple-trimester (yearlong or T2) course for which the final course grade is passing, must be completed before the end of classes of the following trimester.

There is no time limit for the make-up of a failing course grade, either single trimester or multiple-trimester, though a student may not be eligible to advance to the next course in a sequence until the failure is made up or the course is successfully repeated.

A Senior who has a failing spring trimester grade is not eligible for the diploma until the failure is made up, even if the course grade is passing. Such a make-up (whether by exam or other work) cannot be attempted until at least two weeks after graduation.

College Entrance Examination Board (CEEB) Test Dates

Tests will be held on campus in 2004-2005 as follows:

October 9	SAT I and SAT II
October 16	PSAT/NMSQT (Preliminary Scholastic Aptitude Test/ National Merit Scholarship Qualifying Test)
November 6	SAT I and SAT II
December 4	SAT I and SAT II
January 22	SAT I and SAT II
May 7	SAT I and SAT II
May 2-13	AP (Advanced Placement examinations)
June 4	SAT I and SAT II

NOTE: Most students should plan to take the June 4 exams at test centers near their homes, not on campus.

Computer Center

A computer center, located in the lower level of the Oliver Wendell Holmes Library, is available for student use. It houses two computer classrooms and a third lab filled with an array of Macintosh and IBM-compatible computers. A wide range of software is available, and instruction in computer usage is provided.

Personal Computers

Though there is no expectation that they do so, students are permitted to bring personal computers to the school and keep them in dormitory rooms (providing the monitor may not also be used as a television receiver). However, Phillips Academy can assume no responsibility for the care, security or maintenance of these student-owned units. Further information concerning personal computers is available, upon request, from the director of the computer center.

School Year Abroad

Students may elect to spend their Upper or Senior year studying in France, Spain, Italy or China with School Year Abroad (SYA). Originated as an off-campus program by Andover, later joined as a sponsor by Exeter and St. Paul's School of Concord, N.H., SYA is now an independent program, both legally and financially. Students live with host families while pursuing a course of study under the supervision of teachers from SYA's associate schools in the United States. SYA provides students with courses that earn full academic credit at Andover and with the experience of immersion in a foreign culture. Students wishing to participate should consult their advisers or the dean of studies for guidance in the selection of courses for the years prior to and following the year abroad.

Summer Session

The Phillips Academy Summer Session is a five-week-long enrichment program for boys and girls of high school age. While summer session courses may reinforce and enrich a student's education, they do not earn Phillips Academy credit.

Planning a Program of Study at Andover

The following is designed to help Andover students and their parents understand the curriculum and to show the major decisions (and their consequences) that face students at each stage of the four-year academic program.

The Main Choices at Each Stage of a Four-Year Program

While a student's program of studies is adapted each year to his or her changing situation, the future consequences of each course should be noted, for certain choices in one year open the way to later options and may close the door on others.

JUNIOR YEAR

Each trimester a Junior must take six courses, one of which meets only three times per week. All will take *History 100*; about half the class will take *Art 200*, and the other half *Music 210* or *Music 220* (placed by the department). Those taking art will fulfill the music requirement by taking *Music 200* and one other term of music prior to graduation; those who take music will fulfill the art requirement by taking *Art 250* and an elective at the 300 level. Students may have their placement adjusted as a result of the placement exam or questionnaire sent to them in the spring.

In selecting courses, students are reminded to check the diploma requirements. A Junior's program should resemble the following outline.

- | | |
|-------------------|---|
| 1. Mathematics | enter the sequence by placement of the department |
| 2. World Language | begin the sequence (usually a yearlong course at the 100 level) |
| 3. English | <i>English 100</i> |
| 4. History | <i>History 100</i> |
| 5. Arts | <i>Art 200</i> or <i>Music 210</i> |
| 6. Elective | usually a yearlong science or another language |

LOWER MIDDLE YEAR

Each trimester a Lower must take five courses. New students may have their placement adjusted as a result of the placement exam or questionnaire sent to them in the spring. A few students take the College Board SAT II Subject Tests during the Lower Middle year.

A student wishing to participate in the School Year Abroad program during the Upper Middle or Senior year should discuss these plans with the adviser and seek guidance for the selection of courses for the Lower Middle year.

In selecting courses, students are reminded to check the diploma requirements. A Lower's program should resemble the following outline.

New Students

- | | |
|--|--|
| 1. Mathematics | enter the sequence by placement of the department |
| 2. World Language | enter the sequence by placement of the department |
| 3. English | enter the sequence (<i>English 200</i>) |
| 4. Science | usually a yearlong science |
| 5. History 200, Physical Ed., Elective | art, classics, computer, music, philosophy & religious studies, or theatre |

Returning Students

- | | |
|--|---|
| 1. Mathematics | continue the sequence |
| 2. World Language | continue the sequence |
| 3. English | continue the sequence (<i>English 200</i>) |
| 4. Science | usually a yearlong science |
| 5. History 200, Physical Ed., Phil/Rel Studies | (unless petition for an alternate program has been granted) |

UPPER MIDDLE YEAR

During the Upper Middle and Senior years, a student must accumulate a minimum of 27 trimester units. A unit equals one course taken for one trimester. A pass/fail course may be elected as a fifth course only.

New students may have their placement adjusted as a result of the placement exam or questionnaire sent to them in the spring. Uppers should take the Preliminary Scholastic Aptitude Tests (PSAT) in the fall, all take the SAT I in January; and many take the College Board SAT II Subject Tests in June of their Upper Middle year. Some also take the College Board Advanced Placement Tests (APs) in May of their Upper Middle year. As a matter of general policy, advisers encourage depth in the selection of courses for the Upper Middle year. In selecting courses, students are reminded to check the diploma requirements. An Upper's program should resemble the following outline.

New Students

- | | |
|-------------------|--|
| 1. Mathematics | enter the sequence by placement of the department |
| 2. World Language | enter the sequence by placement of the department |
| 3. English | begin the sequence (<i>English 301, 310</i>) |
| 4. History | usually <i>History 300 (T2), 310 (The United States)</i> |
| 5. Elective | art, computer, history, another mathematics, another language, music, philosophy and religious studies, science, psychology or theatre |

Returning Students

- | | |
|-------------------|---|
| 1. Mathematics | continue the sequence |
| 2. World Language | continue the sequence |
| 3. English | continue the sequence (<i>English 300, 310</i>) |
| 4. History | usually <i>History 300 (T2), 310 (The United States)</i> |
| 5. Elective | art, computer, another English, history, another mathematics, another language, music, philosophy and religious studies, science, psychology or theatre |

SENIOR YEAR

During the Upper Middle and Senior years, a student must accumulate a minimum of 27 trimester units. A unit equals one course taken for one trimester. A pass/fail course may be elected only as a fifth course; however, an Independent Project, though marked on a pass/fail basis, is counted as a graded course. A Senior must earn a minimum of 12 graded trimester credits during the Senior year. Seniors must have passing trimester grades for all courses taken during their spring trimester. Many Seniors retake the SAT I in November and the College Board SAT II Subject Tests in December, and take the College Board Advanced Placement Tests (APs) in May. In selecting courses, students are reminded to check the diploma requirements. One-year international students should pay particular attention to the introductory paragraphs for the English and History sections of the book. A Senior's program should resemble the following outline.

New Students

- | | |
|-------------------|---|
| 1. Mathematics | enter the sequence by placement of the department; if the requirement is not yet satisfied, enter <i>Mathematics 390</i> or <i>400</i> |
| 2. World Language | enter the sequence by placement of the department if the requirement is not satisfied |
| 3. English | as placed by the department |
| 4. Elective | |
| 5. Elective | [art, computer, another English, history, another mathematics, a 195/0 language, music, philosophy and religious studies, science, psychology or theatre] |

New students should review the information at the beginning of the History and Social Science section of this book.

Returning Students

Usually most diploma requirements have been satisfied. Careful selection of electives for continued depth in the student's chosen areas is encouraged. Two-year students must take English electives at the 500 level each term.

Course Descriptions

Key to Course Designation

A course number ending in /0 denotes a yearlong course (Example: *Mathematics 100/0*). A number ending /1, 2 or 3 indicates that the course is term-contained, but sequential, and may be taken for one, two or three terms (Example: *Art 260/1,2,3*). A number with no term designation indicates a course that is term-contained, but may be taken only once (Example: *Art-100*).

The designations *F*, *W* and *S* indicate the trimester during which the course is offered: *F* = Fall; *W* = Winter; *S* = Spring. Some courses require a two-term commitment; they are indicated by a (*T2*) following the course name [Example: *Physics 580/4 Advanced Placement Physics (T2)*]. Check carefully each course description for any other limitations: prerequisites, permission of instructor or department chair required, etc.

Final Digit:	Indicates:
/0	Yearlong course
/1	Course offered in fall trimester
/2	Course offered in winter trimester
/3	Course offered in spring trimester
/4	T2 course offered in fall and winter
/5	T2 course offered in winter and spring

Art

The current curriculum in the visual arts continues to evolve in response to changing needs. The department's program emphasizes the development of creative ideas in relation to the understanding of skills, materials, history and new technologies. The current program focuses on the breadth of exposure to a visual education and the choice for students to explore a particular discipline in depth on both the introductory and advanced levels. The following is the required and recommended sequence of courses in the visual studio and elective programs.

The diploma requirements in art are as follows. Juniors must take either a yearlong course in art (*Art 200/0*) or a yearlong course in music (*Music 210/0* or *Music 220/0*). Those who take art as a Junior must take two trimesters of music during the subsequent three years. Those who take music as a Junior can satisfy their art requirement by taking *Visual Studies I (Art 250)* and any 300 level concentration course. Entering Freshmen must take a total of three trimesters of art and music by selecting two trimesters in one area and one in the other. Those who select two trimesters in art must take *Art 250* and any 300 level concentration course or *Art 250* and three consecutive terms of the *AP History of Art*. Entering Uppers must take a trimester of art (*Art 250*) or music. Entering Seniors have no diploma requirement in art but are encouraged to follow academic program guidelines.

Completion of the diploma requirement in art (200 and 300 levels) is the prerequisite for advanced elective courses (400/500 level) with the exception of *Art 400* and *Art 410*. Since diploma requirements vary for individual students, depending on when they enter the school, so does the prerequisite. Individual course prerequisites are indicated in the course descriptions. Exemption from *Art 250* as a prerequisite is granted only on the basis of a portfolio of work judged satisfactory by the chair of the art department in collaboration with the instructor of the course the student desires to enter. An acceptable portfolio should contain examples of two-dimensional work, including black and white compositional studies, color studies, photography, drawing and collage. With the exception of *Art 400*, no art course, if timed, can be made up by examination.

There will be a studio fee for each course, with the exception of *Art 300* and *Art 400*. Additionally, students should expect to help pay for art materials.

DIPLOMA REQUIREMENT COURSES

ART-200/0 Visual Studies for Juniors (1 yearlong commitment)

Students work with the languages of vision through drawing, photography, color studies, two- and three-dimensional design and video. Through projects, discussions and visits to the Addison Gallery, students focus on their own creative work and on visual examples from the world. This course will fulfill the diploma requirement in art. Two trimester credits.

ART-250 Visual Studies I (F-W-S)

This course explores ways in which visual experience of the world is translated into two-dimensional images and presentations. Students sharpen perceptual skills and learn the functions of line, shape, value, texture, color and illusionistic space in communicating through drawing, collage, photography and mixed media. Examples of print media, photography, advertising and art provide a context for discussion and comparison of students' efforts.

INTRODUCTORY COURSES

Students may choose any course from the 300 level to fulfill their second term art requirement. Students may also satisfy the second term of the art department diploma requirement by taking *AP History of Art (Art 400/123)* for ALE three consecutive terms in lieu of one 300 level elective (there will be no exceptions). In order to enter the 300 level, students must have successfully completed either *Art 200* or *Art 250* unless an exemption has been granted by the department chair and the course instructor. Students who take art as a Junior and decide to continue in the art program are expected to enter the elective program at the 300 level unless permission to move to the 400 level is granted by both the department chair and the course instructor.

INTRODUCTORY CONCENTRATION COURSES

ART-300 Visual Culture: (W) Discovering the Addison Collection

This course will focus, thematically, on the study of American art. A significant part of the course will be spent in the Addison Gallery working with the current exhibitions as they tie in to the history and context of American art. Students will discover the Addison collection both on the walls and in storage. Meeting with the gallery staff and visiting artists, students will experience firsthand what makes a museum function. Readings, writing assignments and research projects will help students engage, confront and discuss a wide range of art forms and to raise questions such as: Is it art? How and why do artists create? What do images and artifacts tell us about ourselves and our culture? Issues surrounding the making and viewing of art will be explored. *Art 300* fulfills the second term art requirement. **Prerequisite:** *Art 200* or *Art 250*. (Ms. Crivelli)

ART-301 Architecture I (F-W-S)

This course will introduce the basic principles of architectural design through a sequence of related projects in mechanical drawing, site analysis and research into precedent, culminating in the design of a space or structure. With hands-on sketches, drawings and models, students will explore the issues of a well-thought-out structure and learn to see the environment in terms of human scale, materials and the organization of space. Class time will include discussions and demonstrations as well as studio time. There will be a required evening lab. **Prerequisite:** *Art 200* or *Art 250*.

ART-302 Ceramics I (F-W-S)

Ceramics I is designed for students with little or no prior experience with clay. Students will learn a wide variety of forming techniques that allow them to explore solutions to conceptual problems. The instructional emphasis will be on using ceramics as an expressive medium, with hand-building techniques predominating. Projects might include tile mosaics, clay masks and portraits, boxes, vessels and teapots. Class time will include demonstrations, critiques, slide and video discussions, as well as studio time. Students can expect to tackle projects that engage many of the key design concepts covered in the diploma requirement courses in

art. Assignments for this class will explore the historical and contemporary uses of ceramics as well as the fundamental aesthetics of three-dimensional form. Students will see their pieces through the entire ceramic process, from wet clay, to glaze, to fired finished work. This course has a required evening lab. **Prerequisite:** *Art 200 or Art 250.*

ART-303 Computer Media I (F)

Computers have had a profound impact on how images are constructed, represented and disseminated. Through various methods of manipulation, digital artists have experimented with the fragmentation, integration and layering of graphic, photographic and video imagery. Initially, small projects will be assigned in this class to encourage students to experiment with the expressive potential within the Adobe Photoshop and Adobe Premiere software programs. Students will then be able to define and construct a self-assigned final project of still or motion imagery. Projects may be presented as a short, thematic portfolio of individual or sequential imagery, a visual book, a video or a CD-ROM/DVD project. **Prerequisite:** *Art 200 or Art 250.* (Ms. Harrigan)

ART-304 Drawing I (F-W-S)

This course will provide students with a sequential exploration of drawing methods and concepts. Students learn, through in-class exercises and formal assignments, skills and concepts relating to contour, gesture and full rendered drawings. They work with an assortment of materials while understanding the depiction of three-dimensional objects on a two-dimensional plane, use of light and dark contrast, use of proportion and perspective sighting. Assignments are designed to develop the students' skills in direct observation and to encourage creative, expressive thinking. The creative process will be explored through hands-on studio projects, critiques, and discussions of historical, contemporary and multicultural art. Trips to the Addison Gallery and other places of interest will complement the course. **Prerequisite:** *Art 200 or Art 250.*

ART-305 Painting I (F-W-S)

This class is designed to introduce students to the basic elements of painting with water-mixable oil paint or acrylic paint. Specific problems are assigned to facilitate the study of fundamental paint handling, color mixing and blending. Issues of form and space relationships, composi-

tion and development of ideas are addressed in balance with the student's need for self-expression. Class critiques, slide talks and visits to the Addison Gallery complement and enhance the actual painting process. This class requires that you attend a two-hour evening lab each week. **Prerequisite:** for three- and four-year students, the diploma requirement in art; for one- and two-year students, *Art 250.* (Ms. Trespas)

ART-306 Photography I (F-W-S)

This class will explore, through presentations, demonstrations and group critique, basic black and white photographic image-making. Beginning with basic camera manipulations (a 35mm camera with manual capabilities is required) and film processing, students will be encouraged to explore the magic of light-sensitive materials. Instruction in printing black and white negatives with variable contrast filters will further direct each student in examining how a photographer carefully selects and represents his/her vision of the world. Meeting four hours a week, with five hours of preparation, the evening lab provides additional workshop time for toning prints, hand coloring techniques, and opportunities for individual critiques with the instructor. A limited number of rental cameras are available through the school for students. (Mr. Wicks, Ms. Harrigan)

ART-307 Mixed Media Printmaking I (W)

Students develop personal imagery while learning several types of printmaking, including monoprint, linoleum and woodcut, drypoint and collagraphy. Images are developed by drawing, painting, collaging, or scratching into Plexiglas, or by cutting into linoleum or wood. These surfaces are inked and transferred to paper by hand or by means of a printing press. Often several impressions will be taken from one printing plate and combined with other images or printed layers. Emphasis is on gaining technical, conceptual and formal skills while developing a student's ideas through the use of various types of printing and their combinations. Critiques, slide talks and visits to the Addison Gallery contribute to student understanding of the concepts and processes behind printmaking. Evening labs provide students with additional time to explore and develop ideas and skills. **Prerequisite:** for three- and four-year students, the diploma requirement in art; for one- and two-year students, *Art 250.* (Ms. Trespas)

ART-308 Sculpture I (W-S)

Sculpture has become an all-inclusive field, with contemporary sculptors working in media ranging from welded steel to sugar cubes. In this class, students will have the opportunity to learn a basic set of technical and conceptual skills for working and thinking three-dimensionally. In addition, students will investigate the communicative potential of materials, imagery and context, through a directed process of research, invention, discovery and discussion. Students are expected to attend an informal, open lab one evening a week. **Prerequisite:** *Art 200 or Art 250.*

ART-309 Video I (F-W-S)

This course introduces principles and techniques of time-based media. Students shoot and edit their own productions, and view and discuss both professional and student work. Examples are chosen to show how one conveys ideas by means of images and sound, including experimental work as well as fiction and non-fiction film. Early projects, in which students are taught to use the camera and edit, are often done in groups, a practice that some students choose to continue for the term. For this course, students use the mini-DV cameras and non-linear editors of the Polk/Lillard Center. **Prerequisite:** *Art 200 or Art 250.* Students who have taken *Art 200* may bypass this course and enroll in *Art 409* (Video II). (Ms. Veenema)

ART-312 3-D Design: Objects of Desire (F)

How do objects come to be? What needs to be invented? Could you design it? Through the process of working at the intersection of art, craft and design, we will explore the making of objects that are imbued with expression and also fulfill a utilitarian function. Emphasis will be on materials, craft, planning and problem-solving. The major portion of class time will be devoted to the making of objects, prototypes and proposals. There may also be readings or research on contemporary and historic design and material culture. There will be a required evening lab. **Prerequisite:** *Art 200 or Art 250.*

ADVANCED COURSES

Students continuing in art beyond the diploma requirement may take additional 300 level courses or 400 level courses. At the advanced level, two pathways are possible: advanced concentration courses and synthesis courses. As each 400 level course varies in requirements, it is important to check the prerequisites for each.

ADVANCED CONCENTRATION COURSES

ART-400/1 Advanced Placement:

ART-400/2 History of Art

ART-400/3

Four class periods for Uppers and Seniors. Drawing from non-Western cultures (African, Asian, Latin American, Islamic) as well as Western cultures, this course explores architecture, painting, sculpture and photography as they reflect and perform important social and political work. Students use works of art as primary source documents in uncovering the values and concerns of diverse societies, in developing standards for evaluating and contrasting world cultures and in promoting an understanding of artistic expression and visual communication. The Addison Gallery and other local collections and exhibitions will provide for the study of original works of art. Each term may be taken separately. The fall term will focus on material from pre-history through the 14th century, and the winter term and spring term will cover a variety of international artistic responses relevant to visual literacy, historical development and contemporary context. This course will prepare students for the AP examination in history of art if taken all three terms. Completion of *Art 200* or *Art 250* is recommended but not required. (Ms. Quattlebaum)

ART-401/2 Architecture II

ART-401/3

In the second term of architecture, students will be encouraged to explore architectural design at greater depth. Students will continue to design through the use of sketches, drawings and models in a variety of different media, as well as with computer aided design. Through the study of historical precedents, students will consider such issues as approach, entry, structural organization, materiality and form. Term-long projects will often be assigned, giving students the chance to discover their own approach to integrating all of the necessary concepts into an architectural design. There will be a required evening lab. **Prerequisite:** *Art 301, Architecture I* or *Art 304, Drawing I*

ART-402/2 Ceramics II

ART-402/3

This course is designed for students who have taken *Art 302* and wish to continue their study of ceramics. Since *Art 402* is an advanced course, students will be asked to expand on their existing knowledge of ceramics, to strengthen their technical skills and to seek sophisticated conceptual and personal solutions to given assignments. Class projects will range in topic but will stress the concept of developing ideas in series: a series of bottle shapes, a series of vase shapes, etc. As a class, we will try to place ceramics within the continuum of artistic practice and explore its various manifestations. Students can expect to do some outside reading, to attend slide and video presentations and to visit the Addison and Peabody museums. Students will also participate in all aspects of the making and finishing of their work. This course has a required evening lab. **Prerequisite:** *Art 302, Ceramics I*

ART-403/2 Computer Media II:

Animation

This course is for the student with keen interest in the production of computer animations. Animation is a time-intensive computer art technique. Students will create short 3-D animations using Carrara Studio II software and construct a stop motion animation with high-end digital still cameras and the Adobe Premiere program. Traditional animation techniques such as rotoscoping and using a blue screen will also be demonstrated. Students will have the opportunity to choose between the Carrara Studio II program and the stop motion animation process to design and execute a final independent project. **Prerequisite:** *Art 200* or *Art 250*, and *Computer Media I*. (Ms. Harrigan)

ART-405/3 Painting II

In advanced painting, students build on already-acquired technical experience from *Painting I* while developing their own image ideas. Through a variety of technical processes and conceptual approaches, students explore different ways of working with water-mixable oils or acrylics. Painting in series, mixing media, innovating paint application, and utilizing collage and assemblage structure when appropriate further extend the possibilities for thinking about what a painting can be. Emphasis is placed on cultivating solid technical skills as well as inventive and challenging approaches to subjects that encourage individual artistic and personal growth. Critiques, Addison Gallery visits and exploration of artists' work and art historical issues relevant to the student's paintings are

important components of this course. Advanced Painting has a required two-hour evening lab. **Prerequisite:** *Art 305* or permission of the instructor. (Ms. Trespas)

ART-406/2 Photography II

ART-406/3

WINTER TERM—The course is designed for students who have basic knowledge of black and white photography and darkroom production. Photography II investigates more sophisticated photographic exposure options and archival printing techniques. Opportunities to examine and discuss the work of 20th century Modernist and contemporary photographic practice complement studio work. Regular group and individual critiques with the instructor provide feedback and direction on work in progress, as students are encouraged to explore personal points of view. Students may choose to create several separate experimental works or a term-length thematic portfolio of self-motivated imagery. Portfolios may be presented in various forms, such as individual or group installations, hand-made photographic albums or the traditional boxed portfolio. Cameras are required and available for rental. **Prerequisite:** *Art 200* or *Art 250* and *Art 306* or the permission of the chair and the instructor. (Ms. Harrigan)

SPRING TERM—What do you see? While this advanced photography course begins with a brief review of basic craft control and offers instruction in more sophisticated camera and darkroom techniques, the primary emphasis in this course is on the nature of photographic seeing and the creation of images from a personal point of view. Some assignments are given, but much of each student's portfolio will be based on self-motivated imagery. Students may choose to create an open portfolio that includes a wide variety of photographic styles, create a cohesive, thematic body of work, or develop a special project which may have as its final form a book or multimedia presentation. Slide presentations and discussions, photographic book reviews and visits to the Addison Gallery are offered to explore more fully the scope and power of this vivid visual language. Group critiques are designed to enhance perceptual skills, and individual conferences with the teacher give feedback and direction on work in progress. Classes meet four periods a week, with five hours of preparation. Evening labs are offered for informal instruction. **Prerequisite:** *Art 306, Photography I*. (Mr. Wicks)

ART-408/2 Sculpture II**ART-408/3**

This class is an opportunity for students who have taken Art 308 to continue their investigation of sculpture. Another set of technical skills will be taught, along with readings, slide talks and visits to the Addison. In developing projects, students will be asked to focus on a particular concept, approach, or set of materials throughout the term. Students are expected to attend an informal, open lab one evening per week. **Prerequisite:** Art 308 or Art 312.

ART-409/3 Video II

This course gives students with some background in video or computer media the opportunity to deepen their knowledge. Students will view and discuss the work of others to inform their own work and become more familiar with the syntax of time-based media. An initial project, which is assigned, will review shooting and editing and familiarize students with the editing software used in the course. (Students use the mini-DV cameras and non-linear editors of the Polk/Lillard Center.) For the remainder of the course, students will be asked to develop, shoot and complete projects of their own choosing. Students who enroll in this course should have some previous camera and editing experience. **Prerequisite:** Art 200, Art 303 or Art 309, or permission of the instructor. (Ms. Veenema)

SYNTHESIS COURSES
**ART-420 Rosebud: The Restless
(W) Search for an American
Identity
(formerly ART-410)**

As a culture we have always been fascinated by identity, by quests to forge one or by the machinations to invent one. American artists Edward Hopper, Robert Frank and Beverly Buchanan, for example, reflect observations of self or describe the identity of others relative to the world around them. Many of our enduring American works of literature and film, such as *The Great Gatsby*, *The Catcher in the Rye* and *Citizen Kane*, center on the search for self. For most of us, the search for identity is an unending process in a constantly changing, more global America. This search will be brought into focus through film, literature and the visual arts in a two-credit multidisciplinary course that will offer many venues, including discussions, lectures, seminars and studio sessions. Students will be required to lead discussions, keep extensive journals and present projects shaped from their ideas about identity. There will be numerous readings (such as *The Awakening*, Chopin,

and *Continental Drift*, Banks), weekly films (*Frances*, *Five Easy Pieces*) and hands-on visual assignments in various media. If you elect to take Art 420, you must also take English 560D/2. (Ms. Crivelli)

**ART-435/3 Explorations of 19th and
21st Century Photography:
From Pinholes to Pixels**

Since its beginnings, photography has had a profound impact on culture. In this course, students will have the opportunity to discover the affinities and points of departure between the early photographic pioneers and contemporary digital practitioners through study and hands-on practice of "antique" processes and digital technologies. The class will discuss and participate in creating emotionally and sociologically powerful pictures that may affect individuals in personal endeavors as well as global enterprises. Various historical and contemporary themes such as the photographic album, the exotic travel album or the personal visual journal, will inform each student's self-motivated final project. **Prerequisite:** Completion of the diploma requirement in art. (Ms. Harrigan)

**ART-440 A Hard Rain: An
(S) Interdisciplinary Senior
Seminar**

This two-credit course will examine through literature, film, art and music, various social and political movements that emerged during the 1960s in America as the country fought an internally divisive war in Vietnam. Students will be responsible for leading discussions and assignments that include written work, art projects and a final presentation that responds to the course's themes. Weekly films (viewed in addition to regularly scheduled classes) include: *Bonnie and Clyde*, *The Graduate*, *Apocalypse Now*, *M*A*S*H*, *Sweet Sweetback's Baadasssss Song*, *Taxi Driver*. Literature: *One Flew Over the Cuckoo's Nest*, *The Things They Carried*, *Portnoy's Complaint*, *Another Country*, *The Collected Poetry of Anne Sexton*. Music: Dylan, Coltrane, Jefferson Airplane, Miles Davis. Students must also enroll in English 592/3. (Ms. Veenema)

**ART-460 Art in the Community
(not offered in 2004-2005)**

This course will take art out of the classroom and into the community. Team-taught by representatives of the Addison Gallery, the art department and the Community Service program, *Art in the Community* is an introduction to the ways in which the visual arts create and define community, facilitate social change and express cultural identity. Course work will include readings, hands-on art making, journal writing and

community-based research. Visits to the Addison Gallery of American Art and collaborative work with community-based organizations will culminate in a public exhibition of the works created. Collaborative work will depend on the needs and interests of both the community and the participating students, and may vary from term to term. Previous community service is helpful but not required. **Prerequisite:** completion of diploma requirement in art. (Ms. Crivelli, Ms. Bernson, Mr. Green)

**ART-470 Extensions of Mankind
(not offered in 2004-2005)**

When Marshall McLuhan stated "the medium is the message" in 1964, a new dialogue began about the nature of human communication. This survey/studio course will involve students in an investigation of the historical, social, economic, political, cultural, ethical, psychological, aesthetic and philosophical aspects of mass communication and media. Special attention will be paid to developments and inventions that moved the exchange of human experience and ideas beyond cave drawings, storytelling and tribal boundaries. The course will emphasize mass communication as it has developed during the 20th century—The Broadcast Century—and what role media have played in recording and shaping human history. Assuming students enter the course from a wide variety of message-making and interdisciplinary backgrounds, their projects will be created with previously developed skills and therefore may take on many possible forms, such as video, animation, performance piece, essay, photography, sculpture, installation, collage/assemblage, sound piece, cartoon, etc. **Prerequisite:** diploma requirement in art. (Mr. Wicks)

**ART-500/0 Advanced Placement:
Studio Art
(a yearlong commitment)**

Art 500 is a yearlong commitment and students are expected to complete the entire year. This course will be open to Uppers and Seniors. The year of study in advanced art will be a progressive involvement for students. It will begin with a group studio experience but will encourage students to evolve and develop a focus in one discipline, culminating with an independent project at the end of the year. In the fall term, students will have the opportunity to study broadly at an advanced level while an assortment of media and techniques will be explored. Students can use this opportunity to develop or enhance their art portfolios. In the winter term, students will have the opportunity to focus on specific media and work in collaboration with

the AP instructor as well as an instructor from a chosen discipline through participation in a 300A/100-level course. In the spring term, students will be expected to work on supervised independent projects that are either discipline specific or cross-disciplinary in nature. Two or three seminars a term, with invited guest speakers, in addition to frequent visits to the Addison Gallery, will augment the course. Attendance at an evening lab, once a week, will be expected. **Prerequisite:** diploma requirement in art and at least one elective course beyond

Classical Studies

The following courses in classical studies are designed to provide students with a broad introduction to classical civilization through history, literature, mythology and etymology. All courses are electives, open to the various classes as noted. The courses offered here require no knowledge of Greek or Latin. Courses in the Greek and Latin languages offered by the Department of Classics are described under World Languages.

CLAS-310 Etymology (F-W-S)

Four class periods. Open to all classes. English has an immense vocabulary, far larger than that of any other language, over half of which is based on Latin and Greek roots. The words of this Greco-Roman inheritance are best understood not simply as stones in the vast wall of English, but rather as living organisms with a head, body and feet (prefix, main root and suffix), creatures with grandparents, siblings, cousins, foreign relatives, life histories and personalities of their own; some work for doctors and lawyers, others for columnists, crusaders and captains of commerce. Systematic study of a few hundred roots opens the door to understanding the meanings and connotations of tens of thousands of words in English, the language now rapidly emerging as the most adaptable for international and intercultural communication.

CLAS-320 Greek Literature (not offered in 2004-2005)

Four class periods. Open to all classes. A systematic study of the masterpieces of early European civilization as seen in their proper literary, intellectual and historical contexts. In what is essentially a history of ideas, the major genres of epic, tragedy, comedy, satire, history, erotic poetry

and philosophy are stressed as aspects of the wider evolution of European thought. The major problems that still confront human life are explored through the writings of Homer, Aeschylus, Sophocles, Euripides, Herodotus, Thucydides, Aristophanes, Plato and others.

CLAS-330 Classical Mythology (not offered in 2004-2005)

Four class periods. Open to all classes. The interest of the 20th century in classical mythology has stemmed from three main sources: the psychoanalytical use of myth, progress in the field of classical archaeology, and anthropological study of myth. Preliminary exploration of the works of Freud in psychology, Schliemann and Evans in archaeology, and Frazer, Graves and Levi-Strauss in anthropology leads to the detailed study of the myths of Oedipus, Theseus and Agamemnon, among others. The myths are considered living entities changing in the hands of each artist who deals with them, whether it be Homer or Joyce, Aeschylus or O'Neill, an anonymous Greek vase painter or Dali, Euripides or Strauss. Works of literature, art and music provide the core for the study of the use of myth in human life.

English

The diploma requirements in English are intended to establish competence in writing and reading. All Juniors take *English 100* and may not take *English 200*. For new Lower, this requirement is fulfilled by successful completion of *English 200*, *English 300* and *English 310*. New Uppers fulfill their requirement by successful completion of *English 301*, *English 310* and three terms of English electives. Uppers who miss the spring term of *English 310* must take *English 570* or *English 588* during their Senior year. International students who are new Uppers usually begin the sequence with *English 301*. One-year American students and some one-year international students will begin with *English 520*, for one or two terms, followed by electives in the spring term; these international students must be placed by the chair of the department. The remainder of the one-year international students begin with *English 400/1, /2*, followed by a course designated by the department chair in consultation with the students' teachers. Any course so designated will fulfill diploma requirements. Seniors who are returning international

students continue the sequence or select in accordance with placement by the department. Related courses, whose prerequisites vary, are listed elsewhere in this booklet.

Students in yearlong Senior electives may select the elective for the winter or spring term, as may any other Senior.

All English courses meet for four prepared classes a week unless the course description states otherwise. No failed course may be made up simply by passing a make-up examination.

REQUIRED COURSES

ENGL-100/0 English: The Myth and the Journey (a yearlong commitment)

English 100 invites our youngest students to explore together the journey, their own as well as that traveled by others—persons both real (Anne Frank in *The Diary of Anne Frank* or John Proctor in *The Crucible*) and fictional (Prospero in *The Tempest*; Telemachus in *The Odyssey*). In their travels, students are encouraged to reflect upon how they and others use language in different genres. They practice different modes of discourse in their journals and in their writing. During the course of the year, the emphasis switches from writing about personal experience to writing about literature, though assignments in exposition or narration occur throughout the year.

From class discussions, from peer-editing, from group projects and papers, students come to feel more secure about themselves as Andover students and more comfortable as ever-more skillful readers and writers. Cultivating in our Juniors what Gerard Manley Hopkins called "all this juice and all this joy" underlies our efforts in this course, an invitation to celebrate their skills and those of distinguished writers.

As young writers, *English 100* students try a variety of writing in response to their own experiences and to what they read, discovering in particular the luxury of the sentence as it conforms to and shapes ideas as they evolve from the inner voice to the written word. They learn how the sentence serves the voice in written expression ranging from the pragmatic to the poetic. A year of writing journal entries, as well as assigned paragraphs and longer pieces that range from personal essays to the beginning of critical analysis, will prepare students for the forms and structures they will encounter in the fall term of *English 200*.

**ENGL-200/0 Writing to Read,
Reading to Write**

(a yearlong commitment)

FALL TERM—During the fall term of *English 200*, classes focus on the process of writing. Students write often, virtually every day. Students will be exposed to a variety of rhetorical modes, such as narration, description comparison/contrast, cause/effect, definition, example/analogy, classification, and argument. By the end of the term, students should be able to organize, develop and write cogent essays in four or five of these modes. Extensive revision will be encouraged, typically with peer reading. Teachers may use poems and stories from *Fiction: A Pocket Anthology* and *Poetry: A Pocket Anthology* not as critical texts but as “inspirational” ones that will serve to generate a writing exercise. They may also choose to use a collection of essays by a particular writer and/or the online “Andover Reader.”

Additionally, the fall term works consciously on vocabulary development (usually drawing material from the essays) and grammar, using a text such as *The Everyday Writer* or *The Grammar of Alistair Barnstable*. Grammar and sentence structure study will deal with the usage problems observable in the class, especially addressing such topics as run-ons and fragments, agreement of subject-verb and pronoun-antecedent, accurate modification, correct pronoun case, and punctuation.

WINTER TERM—In the winter term, students continue to work on the sentence and the paragraph, but the texts are anthologies of poetry and short fiction, and the subject matter is literature. While the course introduces literary terms and strategies for understanding poetry and fiction, the literature serves mainly as an opportunity to work on writing skills, reinforcing the lessons of the fall term and introducing argument and persuasion as patterns of thought that can guide the writer logically through a discussion about a poem or short story.

SPRING TERM—In the spring, each teacher chooses one or two works, including a novel, with which the class will spend the term working. Students continue to write in the modes introduced in the fall term and focus on organizing the essay and, perhaps, on incorporating research into it. Some attention is given to anti-plagiarism training in which the responsible use of sources, particularly the Internet, is addressed.

ENGLISH 300 AND 400

English 300 and *400* emphasize writing about literature as a way to discover meaning; both encourage open discussion. Gradually, these courses stress longer and more sophisticated literary analyses. While emphasizing the analytical—both the close reading of texts and the focused writing that asserts a thesis and supports its points with extensive textual evidence—these courses also encourage other forms of expression, such as journals, narratives, role-plays and parodies.

ENGL-300/4 The Story of Literature (T2)
(a two-term commitment)

All literature tells one story, the story of people's experiences—their dreams, their desires, their acts, their mistakes. Inspired artists in every tribe and civilization have created tragedies, comedies, satires and romances. Students in this course explore these forms by reading short stories, poems, novels and plays from various historical periods and countries. *English 300* is deeply concerned with the imaginative elements that lift a work out of its immediate circumstances and place it within the human community of culture. Texts common to all sections are Sophocles' *Oedipus Rex* (Term 1) and Geoffrey Chaucer's *The Canterbury Tales* (Term 2). Substantial attention is given to women and ethnic writers. Authors commonly elected by teachers include Emily Bronte, Ralph Ellison, Jane Austen and Toni Morrison.

ENGL-301/4 The Seasons of Literature (T2) for New Uppers
(a two-term commitment)

For new Uppers, *English 301* conforms in spirit and essence to *English 300*, but with more intensive attention to expository writing.

ENGL-310/3 Shakespeare

No writer has influenced the literature of the English-speaking world so much as William Shakespeare. He was both of his age and for all time. *English 310* employs the perceptual and writing skills learned in the prior two terms and presents new, more complex problems and perspectives. Films and student performances of Shakespeare's plays complement the study of the plays as literary texts. A common text shared among all sections is *Hamlet, Prince of Denmark*.

ENGL-311/3 Shakespeare Workshop

Four class periods. An intensive study of several plays by Shakespeare, with the major emphasis on the spoken word. Close attention is given to

pronunciation, diction, rhythm, dynamics and interpretation. Students read aloud, act, memorize and perform scenes and soliloquies. **Prerequisite:** *English 300/4* or *English 301/4*, and permission of the department chair. This course is offered also as *Theatre 530*.

**ENGL-400/1 American Studies for
ENGL-400/2 International Students**

Primarily for but not limited to one-year students from abroad who are not yet ready for *English 520*, this course provides intensive training in reading, literary fundamentals and expository writing. The focus of this course is on American culture, values and traditions as reflected in literature and other media. One or two terms of this course will provide students with the reading and writing skills required for success in other senior electives. (Dr. Portle)

SPECIALIZED COURSES

Specialized Courses, with the exception of *English 520*, are open to students who have successfully completed *English 200* and *300* or *400*. (A very few Uppers each year will be allowed to take a senior elective in addition to *English 310*. In the spring, permission for this special privilege must be granted by the English chair.) Courses at the *500* level may require more than the standard four to five hours per week of homework. Each course has four class periods a week, unless specifically stated otherwise. While none of the department's electives requires year-long participation, students may choose to remain in a yearlong elective. The courses below are offered in the academic year 2004-2005.

**ENGL-520/1 Tradition and the
ENGL-520/2 Individual Talent**

This course for one-year students explores what T.S. Eliot called “a sense of the timeless as well as of the temporal” as it considers modern works in the light of their classic models. Examples of such works, read in pairs, are the *Oresteia* of Aeschylus and O'Neill's *Mourning Becomes Electra*; Petronius' *Satyricon* and Fitzgerald's *The Great Gatsby*; Shakespeare's *The Tempest* and Eliot's *The Waste Land* or Plath's *Ariel*. The frequent fall-term writing assignments emphasize textual and comparative analysis. In the winter term, students read longer texts and some contemporary works; the writing assignments lead to a term paper. (Mr. Kalkstein)

**ENGL-531/1 Clowns, Court Jesters,
and Counter-Terrorists:
Satire in American Fiction
and Film**

You can love what you criticize or you can despair of it. American satirists do both. Novels by West, Roth, Didion, Welty, O'Connor, Smiley, Lechman, DeLillo, Vonnegut, Chang, Doctorow, Heller, Toole, Ellison, Welty, Pynchon and others make you laugh out loud even as they terrify and alarm. We'll try to figure out what's so funny and sometimes disturbing about American culture and history. We'll also consider movies like *American Beauty*, *Far From Heaven*, *Pearl Harbor*, *The Truman Show*, *Dr. Strangelove*, *Best in Show*, *The Graduate*, *Bob Roberts*, *The Player*, *Get Shorty* and a Spike Lee film or two. Three papers: one on an author, one on a film, one on a central idea using more than one novel and/or film. (Mr. Thorn)

**ENGL-532/2 Gothic Horror and
Celestial Navigation:
The Romantics and
the Modernists**

The British Romantic and American Modernist poets share a curious fascination with the divine and the horrific in natural and psychological landscapes. What is it about subjects morbid and beautiful that preoccupy Wordsworth, Blake, Byron and Shelley, Coleridge and Keats, and then a century later Whitman, Stevens, Eliot, Crane and Williams? In what way did the romantic poets influence the modernist poets? We will read selected poetry from the Romantics and the Modernists to determine how these poets reconcile intimations of mortality and immortality. We will also try to figure out why these two important groups of poets had so much in common. Two papers: one on one poet, one comparing two poets. Two in-class essays, both on specific poems, from a selection of poems by the Romantics for the first, Modernists for the second. Poets to be studied in depth in Winter 2005: Wordsworth, Stevens, Keats and Crane. (Mr. Thorn)

**ENGL-533/3 Tales from the World
House: Books of Laughter
and Forgetting**

The novel as a genre has experienced evolutionary, even revolutionary changes almost from the moment of its invention. In this course, we will study the works of novelists who write as essayists, historians, political activists, illusionists, poets, priests and scientists. We will discover novels in which the author is the main character

and in which the author is nowhere to be found. The novels we read will force us to reevaluate how we distinguish between absolute knowledge and the condition of knowing. The authors share a preoccupation with the tenuous circumstances of their own cultures at war with the world around them often in volatile political environments. In terms of writing, the course will focus on weekly critical journal entries and the art of the literary book review. Our texts might include works by Milan Kundera, Jose Saramago, A.S. Byatt, Umberto Eco, Ivan S. Connell, Fumiko Enchi, Colson Whitehead, Thi Diem Thuy, Khaled Hussein, Josef Svorecky, Edna O'Brien, Andre Dubus III, Anchee Min, Salman Rushdie, and Gabriel Garcia Marquez. (Mr. Thorn)

ENGL-534/1 Living in The Tomb

The course traces trends in Gothic forms from its origins of the damp and dark castles of Europe, to the Midity of the contemporary American landscape. Students will identify gothic conventions and themes such as the haunted house, family dynamics, apparitions, entrapment, secrecy, and the sublime. We will read novels, short stories and poetry spanning roughly 200 years in order to explore questions about the supernatural, the psychology of horror and terror, the significance of fantasy and fear, the desire for moral closure, and the roles of gender, race, class and sexuality. Probable selections include *The Castle of Otranto*, by Horace Walpole, *Faustus*, by Christopher Marlow, *Rebecca*, by Daphne du Maurier, *Dracula*, by Bram Stoker, *The Turn of the Screw*, by Henry James; stories by Poe, Faulkner, Gaskell, Irving, Hawthorne, Gilman, Jackson, Cheever, DeLillo, Carver and Oates; and poetry of Christina Rossetti, Thomas Gray, William Cowper, Louise Gluck, and Sylvia Plath. Possible films include *Affliction*, *The Royal Tenenbaums*, *A Simple Plan*, *Psycho* and *The Cabinet of Dr. Caligari*. (Mr. Tortorella)

**ENGL-535/2 Politics, Subversion and
the Heroic Tradition in
Children's Literature**

This course considers the role of the imagination in communicating and effecting cultural change. Students will be asked to apply a variety of critical theory for interpretation and discussion of the literature. Themes this course will explore include alternative realities, the nature of dreams, the function of the subconscious, and the use of allegory. Probable selections include *The Adventures of Alice in Wonderland* and

Through the Looking Glass, by Lewis Carroll, *Haroun and the Sea of Stories*, by Salman Rushdie, *The Wind in the Willows*, by Kenneth Grahame, *The Jungle Book*, by Rudyard Kipling, *The Wizard of Oz*, by L. Frank Baum, *The Pied Piper of Hamelin*, by Robert Browning, *The Secret Garden*, by Frances Hodgson Burnett, *A Child's Garden of Verses*, by Robert Louis Stevenson, *The Lion, the Witch and the Wardrobe* and *The Last Battle*, by C.S. Lewis, *Grimm's Fairy Tales*, *Mother Goose*; writings of Carlos Castaneda, essays by Bettelheim and Zipes. Possible films include *The Red Balloon* and *The Point*. (Mr. Tortorella)

**ENGL-540/1 Non-Fiction Writing
ENGL-540/2
ENGL-540/3**

(Students may take terms 1 and 3, or 2 and 3, but not terms 1 and 2.) This is a writing workshop for students interested in becoming skilled writers. In this course writers will develop their talents in the art of essay writing. The course requires that the student write extensive pieces in a number of non-fiction modes: personal essay, analysis, argument and feature writing. While there are not always daily assignments, students can expect to be writing nightly. They can also expect to read extensively in anthologies, magazines and newspapers. Students are encouraged to submit their work for publication. In the spring term, the focus shifts to consider the art of the memoir. Students write short autobiographical exercises and read several examples of memoir in preparation for writing an extended piece about their own experience. Texts may include Richard Wright, *Black Boy*; Annie Dillard, *A Writer's Life*; Paul Monette, *Becoming a Man*; John Gould, *The Withering Child*. (Mr. Gould)

**ENGL-541/1 Writing Through the
ENGL-541/2 Universe of Discourse
ENGL-541/3**

This is a course for students interested in experimenting with many different genres of writing. Throughout the term, students create a portfolio of writing that includes essays, poetry, short fiction, literary criticism, autobiography and letters. The course is designed to serve all kinds of students, but particularly those who would like to gain confidence in their writing skills. Once a week, students are invited (not required) to join a Community Service writing workshop with Lawrence elementary school students.

Readings include texts from a variety of cultures. Authors include Malcolm X, Martin Espada, Julia Alvarez, William Shakespeare,

Sylvia Plath, Emily Dickinson, Piri Thomas, Raymond Carver, Franz Kafka, Leo Tolstoy, Stephen Biko, Louise Erdrich, Nikki Giovanni, Sandra Cisneros, Don DeLillo, William Blake, Amy Tan, Sherman Alexie, Rita Dove, James Baldwin, Maxine Hong Kingston, Jimmy Santiago Baca, Gabriel García Márquez, Anthony Morales, Bruce Smith, Maya Angelou. (Mr. Bernieri)

ENGL-543/2 *James Joyce
ENGL-543/3

Five class periods. The first term is devoted to *Dubliners* and *A Portrait of the Artist*; the second term to *Ulysses*. The purposes of the course are to develop the skill to read important and difficult works without the aid of study guides or other secondary material, and to follow the development of Joyce as an artist. Although the course may be taken in either term, the student gains a better sense of Joyce's genius by enrolling for two terms. (Mr. O'Connor)

ENGL-546/3 Modern Drama

The course focuses on the great playwrights in modern European and American drama since 1890. The plays will be studied in terms of script analysis—the structure and vision of the individual plays—as representatives of significant dramatic movements in the 20th century and in terms of the cultural and historical context of their era. Possible areas of in-depth study might include: changing roles of women in society (Ibsen, Shaw, Glaspell and others); the comic vision (Shaw, Wilde, Chaplin, the screwball comedies of the '30s and '60s); social, political and historical contexts (O'Casey, Hansberry, Brecht, Odets and The Group Theatre, Dürrenmatt, Caryl Churchill); the American family (Hansberry, O'Neill, Miller, Williams). When appropriate, dramatic texts will be paired with films on similar topics (*The Nasty Girl*, *Lonely Are the Brave*, *Some Mother's Son*, *A Soldier's Story*, *One Flew Over the Cuckoo's Nest*, *The Women*). (Ms. Braverman)

ENGL-547/2 The Human Comedy

Writers often use comedy and satire to expose the absurdities and frailties of human nature and institutions. The course will explore the comic vision in various genres—drama, fiction, essay and film. Works may include: Drama (Ben Jonson's *Volpone*, Moliere's *Tartuffe*, Ionesco's *The Bald Soprano*); Fiction (Mark Twain's *The Mysterious Stranger* and *The Man That Corrupted Hadleyburg*, Phillip Roth's *Portnoy's Complaint* or *Operation Shylock*, Joseph Heller's

Catch-22); Film (Charlie Chaplin's *Modern Times* or *The Great Dictator*, Woody Allen's *Annie Hall*, Stanley Kubrick's *Dr. Strangelove*). (Ms. Braverman)

ENGL-550A/1 Great Traditions in
ENGL-550A/2 Literature: The Epic Poem
ENGL-550A/3

This course studies the development of the epic poem through Classical, Medieval and Early Modern contexts. Texts: *The Iliad*, *The Odyssey*, *The Aeneid*, *Metamorphoses* and *Moby Dick* (even years), *Paradise Lost* and *The Inferno* (odd years). (Mr. McGraw)

ENGL-550B/3 Milton and Spenser

Students read Book I and other selections from Edmund Spenser's epic *The Faerie Queene* and all of John Milton's *Paradise Lost*. In addition, minor works, such as Milton's *Comus* and Spenser's *Epithalamion*, are read at sight. Writing for the course centers on short seminar papers. (Mr. Kalkstein)

ENGL-550C/1 Literature and the
Natural World

Throughout the history of literature, descriptions of the natural world have mirrored the developments in the human world. From the Romantic poets, who see in mountains and rivers the meeting of the divine and man; to the Victorians, like Hardy, who look to the landscape to express the relationships of men and women; to the moderns, like Lawrence and Eliot, who search for meaning in an increasingly disjointed world ravaged by industrialization, we will examine the representation of nature and study the subjective realities of the objective universe. Readings include poems by Wordsworth, Coleridge, Shelley, Keats, Tennyson, Browning, Yeats, Lawrence and Eliot (including *The Four Quartets*), along with Hardy's *Far from the Madding Crowd* and Lawrence's *Sons and Lovers*. Students will keep a journal and write in class paragraphs, short critical papers, a poem and a short fictional narrative. (Ms. Fan)

ENGL-550D/1 Yeats and the
Irish Tradition

Since the establishment of Ireland's independence in 1921, the unique contribution of this nation's literature and culture has gained increasing international recognition. W.B. Yeats, the first of four Irish Nobel laureates and one of the dominant poets of the 20th century, played a key role in the revival of Irish culture. The course will focus not only on Yeats' poetry and drama, but on the great artists who preceded and followed him.

Poetry, fiction and drama, as well as art, music and film, will be considered as part of this course, including some of the following. Poetry: *Selected Poems*, W.B. Yeats; *Opened Ground*, Seamus Heaney; *The Water Horse*, Nuala Ni Dhomhnaill. Fiction: *The Year of the French*, Thomas Flanagan; *Reading in the Dark*, Seamus Deane; *Castle Rackrent*, Maria Edgeworth. Drama: *Selected Plays*, W.B. Yeats; *The Playboy of the Western World* and *Riders to the Sea*, J.M. Synge; *Waiting for Godot*, Samuel Beckett; *Translations*, Brian Friel. Film: *Michael Collins* (director, Neil Jordan), *The Field* (director, Jim Sheridan), *Cal* (director, Pat O'Connor). (Mr. O'Connor)

ENGL-560A/1 Great Themes
ENGL-560A/2 from America: Land,
ENGL-560A/3 Conflict and War, Family

This course is a study of fiction, poetry and non-fiction in which men and women struggle for identity and self-realization in a world of change and cultural upheaval. The readings for each term, drawn from a variety of cultures, will be organized on central motifs (fall: The Land; winter: Conflict and War; spring: Family) and students will trace connections between the nature of ideas and the forms of expression. Texts may include: Thoreau, *Walden*; Faulkner, *The Bear*; Cather, *O Pioneers!*; Hemingway, *A Farewell to Arms*; O'Brien, *Going After Cacciato*; McCarthy, *Blood Meridian*; Kennedy, *Very Old Bones*; and Morrison, *Jazz*. (Mr. Stableford)

ENGL-560D/2 Modern American
Literature Rosebud:
The Restless Search for
an American Identity

As a culture we have always been fascinated by identity, by quests to forge one or by the machinations to invent one. American artists Edward Hopper, Robert Frank and Beverly Buchanan, for example, reflect observations of self and describe the identity of others relative to the world around them. Many of our enduring American works of literature and film, such as *The Great Gatsby*, *The Catcher in the Rye* and *Citizen Kane*, center on the search for self. For most of us, the search for identity is an unending process in a constantly changing, more global America. This exploration will be brought into focus through film, literature and the visual arts in a two-credit multidisciplinary course. Students will be required to write papers, lead discussions, view weekly films (scheduled in addition to the four class periods) and present projects shaped from their evolving ideas about identity. Possible texts: *Continental Drift*,

Barks. *The Awakening*. Chopin. *The Dangerous Lives of Altar Boys*. Fuhrman. Films. *The Last Picture Show*, *Elephant*, *I Am a Cyborg and I Luv It*. Students who take Engl-560D must also take Art 920.

**ENGL-560E/1 What a Paradise It Seemed:
The Literature of the
American Suburb**

We're into the new millennium, and a majority of Americans now live in the suburbs. But what is their world? Is their moral order that of "Father Knows Best" or *American Beauty*? Are their teenagers those of "Leave It to Beaver" or *Welcome to the Dollhouse*? What does it mean to be suburban? In this course we will consider the social, psychological and literary resonance of the contemporary American suburb. We will determine how, if at all, a cultural phenomenon so disdained by so many critics could ever produce anything of genuine artistic worth. Our texts will include novels and stories by John Cheever, John Updike and Joyce Carol Oates; essays by Kenneth Jackson and Jane Jacobs; and films by Bryan Forbes and Ang Lee. (Mr. Domina)

**ENGL-560F/1 An Introductory Survey
ENGL-560F/2 of African-American
ENGL-560F/3 Literature**

This seminar course offers an overview of African-American literature through reading and writing assignments, discussions, student-led seminars and visiting lecturers on art, music and history. Trips to museums and to jazz or blues club performances enhance the students' appreciation of cultural contexts. In their end-of-term projects, which may be literary or more broadly focused in African American art or history, students pursue interests developed during the term, but their projects may focus beyond the literary periods covered in a particular term. The fall term focuses on the vernacular tradition (from worksongs to rap), on the literature of slavery and freedom, on the literature of Reconstruction and on the literature of the New Negro and the early years of the Harlem Renaissance. In the winter, students read the literature of the later years of the Harlem Renaissance and African-American expressions of realism, naturalism and modernism. In the spring, Black Arts Movement and African American literature since 1970 are the foci of the course. (Mr. Sykes)

**ENGL-570/3 The Play's The Thing:
Advanced Shakespeare**

Jane Austen's Henry Crawford says that Shakespeare's "thoughts and beauties are so spread abroad that one touches them everywhere." Perhaps he is right, but to contemplate such thoughts deeply and to appreciate such beauties truly we must read the work of the great poet-playwright ourselves—extensively and intensively. In this course we will study four or five plays and also selected sonnets. We will consider stage productions and film adaptations of the plays, but our priority will be to read Shakespeare well. (Mr. Domina)

**ENGL-571/1 The Short Novel:
ENGL-571/2 Risk and Romance
ENGL-571/3**

This course uses a mix of seminar classes, films and regular, individual student-teacher conferences to examine experimental short novels from around the world. Students learn to draw conclusions about the artistic and social forces that gave rise to these novels. Each term draws comparisons among works by Vonnegut, Mann, Joyce, Walker, Puig, Rulfo, Enchi, Duras, Achebe, Hemingway, McCullers, Camus, Salinger, Garcia and others. (Mr. Pepper)

**ENGL-572/1 The Essential Gesture:
A Study of Resistance in
Literature and Film**

The range of human capacity for cruelty and compassion, cowardice and heroism, blindness and vision has marked the 20th century and continues to unfold before us. From South Africa to Bosnia and from China to the United States, experiences of suffering, resistance and hope raise important issues of human responses to political and social oppression. What are the origin, nature and purpose of suffering? What are the sources of individual and collective resistance? Is hope futile in the face of escalating violence? By looking through the multiple lens of philosophical texts, literature and film of particular global struggles (scheduled in addition to four class periods) we shall explore these and other questions in a seminar format. This is a multidisciplinary, two-credit course, so students who take *English 572* must also take *Philosophy and Religious Studies 450*. Texts may include: *Imagining Argentina*, *Waiting for the Barbarians*, *Man's Search for Meaning*, *In the Time of the Butterflies*. Films may include *The Official Story*, *A Dry White Season* and *Death and the Maiden*. (Mr. Bardo)

**ENGL-573/1 History and the Novel
ENGL-573/2
ENGL-573/3**

This course, while moving chronologically, emphasizes the ways in which the novelists we study reflect either their own or an earlier time. FALL TERM—Jane Austen and the Threat of the Modern. Modern readers tend to find Jane Austen's world very tranquil, yet she lived in the midst of revolutions—the American, the French, the Industrial, and the Romantic. We will read *Northanger Abbey*, *Pride and Prejudice*, *Emma* and *Persuasion*, and consider in particular Austen's response to Romanticism and to the changing social structure.

WINTER TERM—Charles Dickens and the City. The city, which Wordsworth believed a threat to the imagination, has, oddly enough, inspired some of the most visionary novelists. Our major work for this term will be *Bleak House*, the novel many readers consider Dickens' greatest, an extraordinary blend of comedy, gothic mystery, and social protest, told through an intersecting double narrative. We will also study paintings and photography of London and read poetry by Wordsworth, Blake and Eliot.

SPRING TERM—Haunted by War: William Faulkner and Virginia Woolf. Though his subject was the distant Civil War and hers the recent First World War, Faulkner and Woolf both developed innovative narrative techniques in the 1920s to present the world of characters haunted by the direct and indirect effects of war. This term, we will read Faulkner's *The Unvanquished* and *The Sound and the Fury*, and Woolf's *Mrs. Dalloway*. As time permits, we will also read from letters, diaries and interviews. (Dr. Fulton)

ENGL-576/1 Journalism

This course on print journalism recognizes the challenges all journalists face in their efforts to be fair and also accurate as they struggle to gather information and churn out lively copy under deadline pressure. The course is designed to teach essential journalistic judgment, basic skills for gathering and verifying news, and interviewing and writing techniques. Students will receive weekly assignments on deadline for news articles, feature stories, columns and editorials, and all students will work as both reporters and editors as the course progresses. Weekly lectures will cover significant events in the history of journalism, First Amendment issues, current events, concerns in both print and electronic journalism and will include discussion of fairness, objectivity, transparency, independence

from faction, intellectual honesty and diversity, among other important topics. The core text, *Elements of Journalism* by Bill Kovach and Tom Rosenstiel, will be supplemented with information and exercises on www.Newseum.org, the Freedom Foundation's Museum of News Web site. Andover alumni currently working as professional journalists will be enlisted for guest lectures and to edit students' articles. (Ms. Scott)

ENGL-577/2 The Literature of
ENGL-577/3 Travel Writing

WINTER TERM—The British scholar Paul Fussell writes that “successful travel writing mediates between two poles: the individual thing it describes, on the one hand, and the larger theme that it is ‘about,’ on the other. A travel book will make the reader aware of a lot of things—ships, planes, trains, donkeys, sore feet, hotels, bizarre customs and odd people, unfamiliar weather, curious architecture, risky food. At the same time, a travel book will reach in the opposite direction and deal with these data so as to suggest that they are not wholly inert and discrete but are elements of a much larger meaning, a meaning metaphysical, political, psychological, artistic, or religious—but always, somehow, ethical.”

In the course, students will read excerpts from travel literature over time and write three travel essays of their own. Writers will include Herodotus, Pausanias, Marco Polo, Christopher Columbus, Lady Mary Wortley Montague, Charles Darwin, Charles Dickens, Ralph Waldo Emerson, Mark Twain, Freya Stark, D.H. Lawrence, Jack Kerouac, V.S. Naipaul, Paul Theroux, Margaret Atwood, Annie Dillard and David Foster Wallace. (Ms. Scott)

SPRING TERM—In the spring, the Literature of Travel course turns to the study of essays, diaries, articles and books from adventurers and explorers in the 19th and 20th centuries. Students will read literature from the early Polar, Alpine and Himalayan expeditions on through the best of the current “adventure” fare, and will write several non-fiction travel essays of their own. Texts will include *The Worst Journey in the World* by Apsley-Cherry Garrard; *Endurance* by James Worsley; and works by and about Captain James Cook, Captain Robert Falcon Scott, Sir Edmund Hillary and Tensing Norgay, James Ramsey Ullman and modern writers Paul Theroux, Bruce Chatwin and Jon Krakauer. (Ms. Scott)

ENGL-578/1 Feasts and Fools:
ENGL-578/2 Revelers and Puritans
ENGL-578/3 in Literature and Life

This course examines what Jean Toomer called “the good-time spirit” and its opposite, as manifest in major literature, including drama and film. Along with critical writing on literature, the students occupy themselves with parties and festivities in their lives, as well as in other cultures. Personal essays may lead to anthropological, architectural, performative and semiological research projects, creative writing and reports. Texts have included *Mrs. Dalloway*, *Sir Gawain and the Green Knight*, *Love in the Time of Cholera*, *Vile Bodies*, *Like Water for Chocolate*, *The Custom of the Country*, *A Year in Provence*, *House of Sand and Fog*, selected short stories and poetry. Films include *Babette's Feast*, *Much Ado About Nothing* and *Table Manners*. (Mr. Wilkin)

ENGL-580/1 Narrative into Drama:
Introduction to Playwriting

Students will write a one-act drama based on a personal narrative. For the first half of the term, the focus will be on dramatic structure and techniques for transforming story into plot; we will study and practice the techniques of story theatre, and the multiscene play, but the primary emphases will be on the craft of the one-act play and Aristotle's “unity of time, place and action.” The second half of the term will focus on the skills of creating authenticity of place, character and dialogue. We will read or see various models of playwriting, including Sophocles' *Oedipus Rex*, Fugard's *Master Harold and the Boys*, Synge's *Riders to the Sea*, Glaspell's *Trifles* and Chekhov's *Uncle Vanya*. The primary emphasis will be on workshop presentations of students' works in progress. The last two weeks of the term will be devoted to staged readings (student-directed and acted) of all student plays, and it is hoped some of them will go on to full production in the spring festival of student drama. (Ms. Braverman)

ENGL-581/3 Contemporary
American Poetry

This course will introduce students to poets and movements that have shaped the direction and contours of American poetry since World War II. We start with a study of the Beat Movement and then explore the so-called “schools” of poetry—Black Mountain, New York, Confessional, et al. The course finishes with an exposure to poetry that is happening right now, which includes bicultural and multicultural poets. Most class time will be spent deriving themes through discussions of poets, poems, poetic

movements, criticism and theory. Poets include Ginsberg, Corso, Kerouac, Dylan, Waldman, Bukowski, Creeley, Olson, Levertov, Ashbury, O'Hara, Lowell, Plath, Berryman, Bishop, Rich, Dove, Hass, Kinnell, Hogan, Nye, Springsteen and Colvin. (Mr. Tortorella)

ENGL-582/3 Contemporary
Caribbean Literature:
Better than Spring
Break in Jamaica

Bearing a historical legacy of slavery and colonialism, the Caribbean today is viewed by many people as a tourist paradise, a place to relax and have “fun in the sun.” Nevertheless, the fact that, in recent years, the Nobel Prize in Literature has been awarded twice to Caribbean authors (St. Lucian Derek Walcott and Trinidadian V.S. Naipaul) is an important indicator of the quality of the cultural production in this archipelago. In this course, we will examine Caribbean literature from various islands, investigating their significance as representatives of a “common” (?) Caribbean experience. Through our responses to different literary texts (novels, plays, poems, essays) as well as to film and music from the region, we will ponder the issue of identity (both individual and collective), trying to articulate what it means to be “Caribbean” nowadays. Writers include Aimé Césaire, Derek Walcott, Jacques Roumain, Jamaica Kincaid, Julia Alvarez, Rosario Ferré, Esmeralda Santiago, Simone Schwarz-Bart, V.S. Naipaul. Films: *Sugar Cane Alley*, *Strawberry and Chocolate*. (Dr. Vidal)

ENGL-583/1 Writers in Depth
ENGL-583/2
ENGL-583/3

The writers for 2003-2004 are Ernest Hemingway and F. Scott Fitzgerald, two immensely popular figures who, with Faulkner, defined and critiqued the social order of their day. The course examines these writers as they perceived themselves and were perceived by others. Students learn of the artistic and societal influences on their short stories, novels and memoirs, with the central question being what their writing means to us. We will also consider what their biographers and critics have said about them. Students will keep a journal on their reading and class discussion, write frequent short papers, conduct a seminar, and do a term project. Hemingway texts: *In Our Time*, *The Sun Also Rises* and *A Moveable Feast*; Fitzgerald texts: *The Great Gatsby*, *The Last Tycoon* and *Babylon Revisited and Other Stories*. (Ms. Kelly)

ENGL-585 Creative Writing: Poetry
(F-W-S)

This course is for students committed to reading and writing poetry. Students will be asked to write about poetry in addition to composing their own poetry. Although students are not expected to submit portfolios or samples of their work to qualify for this class, they must be serious about writing poetry. Previous experience helps, but it is not necessary. (Mr. Deppe)

ENGL-586 Creative Writing: Fiction
(F-W-S)

This course is for students committed to reading and writing short fiction. Students will be asked to write about short fiction in addition to composing their own short fiction. Although students are not expected to submit portfolios or samples of their work to qualify for this class, they must be serious about writing fiction. Previous experience helps, but it is not necessary. (Mr. Deppe)

ENGL-587/1 Neither Fear Nor

ENGL-587/2 Courage: Modernism

ENGL-587/3 Across the 20th Century

In the waning hours of the belle époque, under the calamitous shadow of a devastating world war, the advent of the 1900s in Europe and America witnessed a profound change in the established social order. A breach of faith in the ability of traditional literary modes to represent the dissonance of modern life ensued. In this course we will examine stories of character in crisis, the modern heroes struggle to find moral order and certainty in a world which no longer makes sense according to conventional structures of meaning. From the birth of modernism through its recent legacy, we will read fiction and poetry that seek new ways of conceiving the human self as a creature of alienation and longing.

FALL TERM—We will read masterpieces of high modernism written in English, including *The Waste Land*, by T.S. Eliot, *To The Lighthouse*, by Virginia Woolf, and *Absalom, Absalom!* by William Faulkner.

WINTER TERM—We will move beyond the Anglo-American tradition, looking toward the continent and the European struggle. We will read works originally written in French and German, including those by Franz Kafka, Thomas Mann, Albert Camus and the French Symbolist poets.

SPRING TERM—We will sail for the New World, focusing on black and white New York in the 1920s, examining the Jazz Age and the Harlem Renaissance as movements of furious artistic creation and bitter hope. (Ms. Tousignant)

ENGL-588/1 Cultural Studies:

ENGL-588/2 Adapting Shakespeare

From Japan to America's heartland, Shakespeare's work has had such an extraordinary influence on countless novelists, poets, playwrights and filmmakers that Shakespeare himself never could have anticipated. This course will seek to explore that influence by examining the texts from which Shakespeare created his own adaptations, studying his plays, and focusing on contemporary film and book adaptations that respond to them. For the final project, students will have the opportunity to create their own Shakespearean adaptation in any form they choose: a painting or drawing, a song or musical piece, a short story or scene, a poem, a dance, costuming, etc. Possible films and works may include: Akira Kurosawa's *The Bad Sleep Well* or *Ran*, Jane Smiley's *A Thousand Acres*, Tom Stoppard's *Rosencrantz and Guildenstern Are Dead*, the Shakespeare episode of "Star Trek," Kate Daniels' "The Tragedy of Gertrude, Queen of Denmark," Ronald Harwood's *The Dresser*, Salman Rushdie's *Yorick*, Margaret Atwood's *Gertrude Talks Back*, Lee Blessing's *Fortinbras*, Kenneth Branagh's *A Midwinter's Tale*, short excerpts from the classical texts of Shakespeare, and a Shakespearean play. (Ms. Grieco)

ENGL-590/2 Mirror, Mirror:

ENGL-590/3 Images of Women – and Men

WINTER TERM—Mirror, Mirror: Images of Women – and of Men, Too. In reading literature we are looking for ourselves. So the images of men and women we encounter cannot help but reflect back and reform ourselves, particularly our views of male and female ideals, gender, and sexual interaction. Through the study of novels, poetry, plays and film, we will sort through various and conflicting images of men and women, looking for what seems true and false in society and ourselves. In the first half of the term we will study the Cinderella story, reading *Jane Eyre* and *The Color Purple*, screening excerpts of *Pretty Woman*, *Rebecca*, *Coming Home* and *The Color Purple*. In the second half of the term, we will consider love and war between men and women, reading poetry through the ages as well as plays—Maugham's *The Constant Wife* and Albee's *Who's Afraid of Virginia Woolf?*—and screen excerpts of *Adam's Rib*, *Goldfinger*, *Diva*, and *Dangerous Liaisons*. Students will keep a journal, write in-class paragraphs and short critical papers, and write a film treatment and screenplay excerpt.

SPRING TERM—Relic and Ritual: Renewal in the Mythic Past and Future. Myths give the

world meaning. They tell us our past, and they foretell of future. From Anglo-Saxon legend to Shakespeare, from Victorian poetry to modern and contemporary novels and films, we will trace our search for meaning and for renewal in our myths and fictions. Readings will include Seamus Heaney's translation of *Beowulf* and related poems by Heaney, Shakespeare's *Antony and Cleopatra*, Tennyson's *Idylls of the King*, Eliot's *The Waste Land* and *The Four Quartets*, John Gardner's *Grendel*, and Leslie Silko's *Ceremony*. We will view excerpts of the Indiana Jones series and consider also (fleetingly) the twin phenomena of *Harry Potter* and *Lord of the Rings*—as well as the quests of mythic heroes such as Superman and Batman, and James Bond, not to mention Luke Skywalker and the captains of the starship Enterprise. Class will be held in the Peabody Museum, and we will acquaint ourselves with the museum's collection, working to obtain an anthropological and archeological perspective. Students will keep a journal, write in-class paragraphs and short critical papers, and write a fictional narrative based on a chosen object from the Peabody. (Dr. Fan)

ENGL-591/2 The Novel After Modernism

In the middle of the 20th century, writers began to move past both the period and the styles that we still call "modern." What does it mean for a novel to be post modern? Postmodern? Post postmodern? Can a contemporary novel still be a modern novel? In this course we will study the recent progress of the novel genre. We will read aggressively, studying four or five novels whose authors may include Russell Banks, J.M. Coetzee, Robert Coover, Don DeLillo, Joan Didion, Ralph Ellison, Gabriel Garcia Márquez, Cormac McCarthy, Toni Morrison, Vladimir Nabokov, Joyce Carol Oates, Thomas Pynchon, Philip Roth, José Saramago and Zadie Smith. (Mr. Domina)

**ENGL-592/3 A Hard Rain:
An Interdisciplinary
Senior Seminar**

Through literature, film, art and music, this two-credit course will examine various social and political movements that emerged during the 1960s in America as the country fought an internally divisive war in Vietnam. Students will be responsible for leading discussions and assignments that include written work, art projects, and a final presentation that responds to the course's themes. Weekly films (viewed in addition to regularly scheduled classes) include: *Bonnie and Clyde*, *The Graduate*, *Apocalypse Now*, *M*A*S*H*, *Sweet Sweetback's Baadasssss Song*, *Taxi Driver*. Literature: *One Flew Over the*

Cuckoo's Nest, The Things They Carried, Portnoy's Complaint, Another Country, The Collected Poetry of Anne Sexton. Music: Dylan, Coltrane, Jefferson Airplane, Miles Davis. Students must also enroll in *Art 440/3*. (Mr. Bardo)

ENGL-593/2 Play Writing

Each student is expected to write at least one one-act play in addition to certain exercises in monologue, dialogue and scene-setting. The class reads aloud from students' works in progress while studying the formal elements in plays by important playwrights and reading selected literary criticism focused on drama. (Mr. Heelan)

ENGL-594/3 The American Dream in Literature and Film

Mark Twain observed, "Virtue never has been as respectable as money." In this intensive survey course, we will study the pursuit of the American Dream in literature and film and focus on the stories of those who fulfill it, fall short of it, stay true to it, or distort it. Short stories, novels and films may include: Ralph Ellison's *Did You Ever Dream Lucky?*; Herman Melville's *Bartleby, the Scrivener*; Tennessee Williams' *A Streetcar Named Desire*; Edward Albee's *The American Dream*; Lorraine Hansberry's *A Raisin in the Sun*; Arthur Miller's *Death of a Salesman*; Philip Roth's *American Pastoral*; F. Scott Fitzgerald's *This Side of Paradise* or *The Great Gatsby*; Saul Bellow's *Seize the Day*; Amy Tan's *The Joy Luck Club*; *The Godfather: Part I*; *Wallstreet*; *A Place in the Sun*; and poetry by Gwendolyn Brooks, T.S. Eliot, Langston Hughes, Edwin Arlington Robinson and Carl Sandburg. (Ms. Grieco)

History and Social Science

The study of history and the social sciences provides certain kinds of knowledge, skills and understanding fundamental to a liberal education. An understanding of the American past continues to be a prerequisite for a participating citizen in a constitutional republic. Vital though such study is, an understanding of our nation alone is not enough. The examination of other cultures around the globe is crucial for broadening a student's understanding of an interdependent world. The Department of History and Social Science therefore integrates the study of international cultures throughout its program. Detailed information on the department, faculty, courses and other aspects of history and social science may be found at <http://www.andover.edu/history>.

DIPLOMA REQUIREMENTS

Entering four-year students must successfully complete seven terms of departmental study. *History 100* is required for virtually all ninth-graders. For these students, a trimester of *History 200*, taken in the 10th grade, and three terms of U.S. history (*History 300/4* or *300/5* and *310*) complete the department's requirement. Students entering as 10th graders must successfully complete four terms of departmental study: a term of *History 200* taken in 10th grade, and three terms of U.S. history as described above. Students entering as 11th graders must successfully complete three terms of U.S. history as described above. Students entering as 12th graders and postgraduates are strongly encouraged to take courses in history and social science but are not required to do so unless (1) the department deems their previous preparation inadequate, in which case they will be required to complete a term of departmental study; or (2) they took U.S. history in ninth or 10th grade, for which the department ordinarily does not grant credit.

For one-year international students, the diploma requirement is the completion of three trimesters of U.S. history, usually starting with *History 320*, if so placed by the department.

Exceptional 10th graders, if they have completed at least two terms of history-social science with distinction, have made an outstanding score on the school's History Qualifying Test, have received permission from the department

chair and have been approved by the Academic Council may take *History 340/0*, the yearlong course in modern European history.

The department of history and social science grants no credit for summer study, including work completed at the Phillips Academy Summer Session.

PLACEMENT

The History Qualifying Test (HQT) is given to Lower and certain Juniors during spring term and to most new Uppers, Seniors, postgraduates and international students during the orientation period in September. The purpose of the test is to place students in the appropriate level of history study. For most students, the HQT indicates that they should begin the three-term U.S. history sequence (*History 300/4* and *310*) in September of their Upper year. Some students may, however, be advised to wait to begin the *History 300* sequence (*History 300/5*) a term later (in January) or a year later (the following September).

In all cases, individual placement is made by the department chair.

Phillips Academy Archive

The Department of History and Social Science encourages the use of the academy's extensive archival collection. For students who have completed *History 300* or *310* and are interested in pursuing work with the raw materials of history (including oral history), the academy archivist offers a unique tutorial-research opportunity on some aspect of the history of Phillips Academy or Abbot Academy. Students undertaking archival study for credit should apply for an Independent Project through the dean of studies.

REQUIRED SEQUENCE IN WORLD HISTORY

Four-year students are ordinarily expected to complete *History 100* and *History 200* before enrolling in other courses in the department. Three-year students must complete *History 200* before enrolling in other courses in the department. Lower students seeking to qualify for admission to *History 340* may attempt to do so by taking the HQT described above. Those Lower students seeking to postpone *History 200* for academic reasons must consult with their advisers and petition the office of the dean of studies.

**HIST-100/0 World History 1000-1550:
When Strangers Meet**
(a yearlong commitment)

Four class periods a week. *When Strangers Meet* explores and connects key episodes in world history that contributed to the emergence of a global network. Beginning with the rise and reach of Islam, the subject matter then examines the Mongol empire, ending with the rise of European nation states and their subsequent competition overseas. By delving into specific episodes, from Mansa Musa's pilgrimage to Mecca, to Marco Polo's appointment to the court of Kublai Khan, to the first interactions between European explorers and Native Americans, we will examine the political, social and cultural forces that shaped the development of society from 1000 to 1550. An equally important objective of the course is to hone the skills of historians and social scientists: the abilities to think objectively, to read and evaluate primary documents and secondary materials, to organize outline notes, to distinguish between more and less important evidence to employ in written and oral argument; to use library research tools, and to utilize a variety of textual, visual, statistical and physical materials to understand and explain the past.

**HIST-200 The Early Modern World
(F-W-S) 1500-1800**

Four class periods. For Lowers. Focusing on developments in both the Western and non-Western worlds, this course offers an interregional perspective on the period 1500-1800. The course examines the economic competition that drew the nations of Europe into Asia, Africa and the Americas. Through close scrutiny of two case studies, the trades in spices and slaves, students will probe the intertwining of personal, political and economic relations that developed during this time. As in *History 100*, a central aim of the course is to enhance student development of the central skills of historical analysis and exposition. Particular emphasis will be placed on the skills of critical reading and historical writing.

**REQUIRED SEQUENCE
IN UNITED STATES HISTORY**

**HIST-300/4 The United States (T2)
HIST-300/5 (a two-term commitment)**

Four class periods. For Uppers and Seniors. This course, along with *History 310*, completes the department's diploma requirements. The sequence emphasizes three goals: a survey knowl-

edge of American history through the Great Depression, the acquisition of skills by daily exercises in reading, note taking and writing, and in-depth study of organizing themes.

**HIST-310 The United States
(F-S)**

Four class periods. For Uppers and Seniors. Students must take *History 310* in the term immediately following their completion of *History 300*. The focus is on the United States during and after World War II. **Prerequisite:** successful completion of *History 300/4* or *300/5*.

Students completing this course who wish to take the College Board Advanced Placement examination should check with their teachers, since extensive review is required.

**HIST-320/4 United States History for
International Students (T2)
I (a two-term commitment)**

Four class periods. A course for entering Seniors for whom English is a second language and whose HQT scores indicate they are not ready for *History 300/4*. The course emphasizes writing and language skills by gradually increasing the complexity of assignments and the amount of reading. The subject matter focuses on the foundation of non-native settlement on this continent and the relations between native and non-native peoples. It then examines the founding of the republic, constitution-building and how the American government works, the westward movement, the Civil War and the coming of urban-industrial, multiethnic America. The intention of the course is to recognize the special needs of these students and to bring them to a level of achievement so they may enter *History 310* in the spring term.

**SURVEY OF MODERN
EUROPEAN HISTORY**

**HIST-340/0 Modern European History
(a yearlong commitment)**

Four class periods. This course is open to exceptional Lowers and Juniors (via HQT results and with permission from the department chair) and to Uppers. The course has proven to be good preparation for the Advanced Placement examination in European history. Successful completion of this yearlong course, together with a year of U.S. history (*History 300-310*) and *History and Social Science 100* for four-year students, satisfies the department's diploma requirement.

The fall term consists of background survey of the 16th, 17th and 18th centuries, with par-

ticular emphasis on the political, economic and intellectual revolutions that helped to mold the modern world. The focus of the winter term is the period 1800-1914, with continuing attention given to the shaping of modern thought, the emergence of the nation-state, and the effects of industrialism. In the spring term, the course covers topics in 20th century Europe: the two World Wars and their effects, the nature of totalitarianism, and the Cold War and its aftermath. Reading is from primary and secondary sources, as well as fiction. Maps and visual materials are used where appropriate. (Mr. Quarlebaum)

ADVANCED COURSES

Advanced courses are open to students who have successfully completed at least one term of *History 300*. Each course has four class periods a week, unless noted otherwise. These courses may be taken for a term only, but students may choose to remain in two-term or yearlong elective sequences.

**HIST-SS520 Introduction to
(F-W-S) Economics**

Four class periods. The course introduces students to the basic principles of macroeconomics and its application and relevance to national and international public policy. Students examine the development of the contemporary global economy and use basic theoretical tools to analyze current issues. Classes consist primarily of discussions, although the course also employs role-playing, computer simulations, debates, guest speakers, films and student reports on their term projects. Students completing this course are eligible to enroll in *History-Social Science 521* and/or *History-Social Science 522*.

FALL TERM—Limited to seniors. Coupled with HIST-SS521 in the winter, the fall course will prepare students to take both the macroeconomics and microeconomics AP exams.

WINTER TERM—Preference to seniors. Students enrolling in HIST-SS520 in the winter will be prepared to take the macroeconomics AP exam.

SPRING TERM—Preference to seniors. Students seeking opportunities to develop a basic understanding of the discipline prior to attending college are encouraged to enroll, although those enrolling in the spring will not be prepared for an AP examination.

HIST-SS521 Economics II (W)

History-Social Science 521 continues the introduction to economics begun in *History-Social Science 520*. Students utilize the basic principles learned in *History-Social Science 520* and study microeconomics, theory of the firm, the organization of markets, and the role of governments in all areas of the global economy. Special attention is given to development economics, resource markets, questions concerning racial and gender wage discrimination and public sector issues such as health care and the economics of the environment. Students also study a range of economic development models and complete an applied research project using such models in relation to a contemporary developing country. Classes consist primarily of discussions, although there will also be computer and role-playing simulations, problem sets and guest lectures. **Prerequisite:** successful completion of *History-Social Science 520*.

HIST-SS522 Issues in Economics (S)

This research colloquium investigates public policy issues in the field of economics. Students begin by studying the history of economic thought, relating it to our understanding of global economic development. After examining the works of Adam Smith, Karl Marx, Alfred Marshall, Thorstein Veblen and John Maynard Keynes, the class addresses a series of current policy questions, such as the debates over sustainable growth, tax reform, supply-side economics, labor organization, national industrial policy, pollution, population growth and welfare policy, and the ethical responsibilities of business. Classes center around discussion of individual students' works in progress; a term paper on an issue of choice is required. There is no final examination. **Prerequisite:** successful completion of *History-Social Science 520*.

HIST-SS530 International Relations (F-W-S)

This course will introduce the student to international relations by investigating 20th century international affairs. We will examine the 20th century historical setting in order to understand emerging developments in various areas of the world. Events in Asia, Africa, the Middle East, Europe and the Americas will be addressed as the current international situation unfolds. (Mr. Gurry)

HIST-SS531 Comparative Government (W-S)

This course introduces students to the world's diverse political structures and practices. A comparative study of six nations—Britain, France, Russia, China, Nigeria and Mexico—serves as a core for the course. By examining the political implications of different types of social and economic development, students become familiar both with general political concepts and with a broad array of specific issues; and they are able to use their knowledge as a template for examining contemporary events in other countries. Students customarily may choose whether to write an in-depth paper or take a final exam. The course does prepare students to take the AP examination in Comparative Government and Politics, though this is not its primary goal.

**HIST-SS532/1 East Asia
HIST-SS532/2**

Each of these courses can be taken separately.

If taken as a sequence, they offer students a comprehensive introduction to three of the world's most important countries, the region they share and their relations with the rest of the world.

FALL TERM—China. Four class periods. Following a rapid survey of Chinese history, we concentrate on modern China since the Opium War (1839-42). Required reading includes traditional and online text, selected articles and works of fiction chosen by students from an extensive booklist, and there is a term-long feature film series. There is an extensive intranet site used as a resource and in daily assignments. Students write a research paper. There is no final exam. (Mr. Drench)

WINTER TERM—Japan and Korea. Taught in conjunction with Japanese 300, this course offers a survey of Japanese history, an introduction to Japanese culture, and an intensive examination of modern Japanese and Korean issues. *No knowledge of the Japanese language is necessary.* Six times during the term, the history and language classes meet together, and there is a term-long film series. Topics closely examined have included Japanese modernization, "Japan, Inc.," "Japan: Economic Giant But Political Pygmy?" "Korea: The Forgotten War," "The South Korean Economic Miracle," and "North Korea: Starved, Armed and Dangerous." Recent texts have included *Inventing Japan* by Ian Buruma and *North Korea: Another Country* by Bruce Cumings. There is an extensive intranet site used as a resource and in daily assignments. Students write a research paper. There is no final exam. (Mr. Drench)

**HIST-SS533/1 The "Greater
HIST-SS533/2 Middle East"**

Each of these courses can be taken separately.

If taken as a sequence, they offer students a comprehensive introduction to a broad swath of the world in which Islam is the most widely practiced faith, and with which the United States is intimately—and increasingly—involved. Stretching from Morocco to Kashmir, from the Balkans to Sudan to the former Soviet Central Asian republics, this vast area includes the world's oldest crossroads in the heart of the Middle East and a contemporary cauldron of issues competing for our attention. (Mr. Drench)

FALL TERM (The Middle East)—Four class periods. The fall term concentrates on the interior Middle East and North Africa. We survey history from the dawn of Islam to the present day, then examine selected issues in depth. These issues have included the Israeli-Palestinian conflict, the Gulf War, statelessness and terrorism, political Islam, women and minorities, water and oil, the current situation in Iraq and the post-9/11 world. There will be guest speakers, films and opportunities for corresponding via e-mail with students in the region. In addition to the books used in recent years, readings have included journal articles and primary documents. Andover's intranet and off-campus Internet sites are used extensively as resources and in daily assignments. Students write a research or other major paper or contribute weekly reports from a variety of online media sites that they follow regularly throughout the term. There is no final exam.

WINTER TERM (Central & South Asia)—Four class periods. The winter term concentrates on the area between the Persian Gulf and the borders of Russia and China. There is a historical survey highlighting major themes, followed by an in-depth investigation of modern and contemporary issues. These have included Iran's revolutions, the partition of India, the Indian-Pakistani rivalry and its nuclear and Kashmiri dimensions, political Islam, and the emergence of Muslim-majority states in Central Asia following the breakup of the Soviet Union. Andover's intranet and off-campus Internet sites are used extensively as resources and in daily assignments. Students write a research or other major paper or contribute weekly reports from a variety of online media sites that they follow regularly throughout the term. There is no final exam.

HIST-SS534/2 Africa and the World
HIST-SS534/3

WINTER—A brief history up to the 20th century. This course examines the history of Africa and the world from the standpoint of three commodities: water, gold and rubber. We begin with water and its central role in the unfolding of the earliest civilizations along the Nile River, ancient Nubia, and relations with Egypt, 4000 to 1000 b.c.e. We move to gold, the engine of growth and power for the great West African kingdoms from 800 to 1500 c.e., and the relations these kingdoms had with Europe, the Middle East, and eventually India and China. We conclude with a look at the rule of rubber, a modern commodity that helped to spur one of Africa's tragic genocides as King Leopold of Belgium tried to capitalize in the Congo on global demand for automobile tires. As we examine history, every student will research a modern country. Open to Uppers and Seniors. **No prerequisites.** (Dr. Shaw)

SPRING—The modern challenge. Among the greatest achievements of the 20th century was the liberation of African countries from colonial rule. This course examines the modern history of the continent using the lens of economics. However, the course is designed for those who have not enrolled in formal economics courses but are interested in learning a few basic economic concepts. From the rationale for colonialism and the sharing in Europe of the "Magnificent African Cake" (1885-1945), through the heady promise of growth and development with independence (1945-1980) to the current challenge of debt, aid and the question of post-colonialist dependency (1980-present), we will look at all three stages of modern history on the continent. Students will research one topic in depth. Open to Uppers and Seniors. **No prerequisites.** (Dr. Shaw)

HIST-SS535 Latin American Studies
(not offered in 2004-2005)

Four class periods. This course surveys Latin American civilization, seen through its history, literature and culture from pre-Columbian times to the present.

FALL TERM—focuses on the Mayan, Aztec and Incan civilizations, the Spanish and Portuguese conquests, and the origins of present-day institutions and cultural patterns in the Iberian colonial period.

WINTER TERM—examines Latin America's movements of independence from Spain and Portugal, and then traces the emergence of political leadership patterns, the influence of the military, the role of the church, and the functions of

class, gender and race in 19th century Latin American societies.

SPRING TERM—concentrates on major political, social and economic themes of the 20th century. The Mexican, Cuban and Nicaraguan revolutions, the causes and results of the wide social and economic gap between the classes, the U.S. role in Latin American affairs before, during and after the Cold War, and the region's place in a global economy are important components of this term.

Although each term may be taken independently, students with a keen interest in Latin America may choose to take two or three terms without fear of redundancy. Selected current events topics are pursued during the fall. This emphasis intensifies during the winter and becomes a major component of the spring syllabus. Films and literary works are used to portray how Latin Americans view their own reality.

HIST-SS536 Topics in European History
(not offered in 2004-2005)

For Seniors; not open to those who have taken *History 340*. Four class periods. The study of Europe in this setting will follow the broad scheme of organization presented in *History 340*. Selected topics may be given greater attention than they receive in a survey course. Students wishing to prepare for the College Board Advanced Placement examination should confer with the instructor early in the fall term.

HIST-SS537 Ancient History
(not offered in 2004-2005)

Four class periods. Each term of the course covers a unit of Greek and Roman history from the Minoan Period to the beginning of the Medieval Period. The fall term survey of Greek history, ending with the empire of Alexander the Great, makes full use of the Perseus Project: An Interactive Curriculum on Ancient Greek Civilization, a program incorporating the use of microcomputers with compact disks and video laser images. No experience in the use of computers is required. The winter term covers the period from the beginning of Rome until its transition from Republic to Empire; the spring term covers the Roman Empire until its transition to the medieval period.

HIST-SS570 United States Race Relations
(W)
(not offered in 2004-2005)

This seminar focuses upon the myth of the melting pot and examines the forces that have made race a continuing theme in politics, eco-

nomics and social interactions. Students analyze opposing viewpoints of recognized experts in the field of race relations and examine definitions of race, ethnicity, prejudice, discrimination and racism. To enhance communications, definitions of diversity and multiculturalism are examined and refined. Students are encouraged to discover impediments to positive race relations and to develop ways to facilitate greater understanding and respect among the several races that constitute the population of the United States. A major project paper is required as the culmination of the term's work. There is no final exam.

**HIST-SS571 Masculine/
 (F) Feminine/Human:
 Issues in Gender Relations**

How do your sexuality and your identity as a male or female become shaped by the moment in history in which you live? Look across time at the way masculinity has been invented – was it always tied to hair on your chest, or muscles? Who decides what is feminine or appropriate behavior for women and girls? How have mass media shaped our beliefs about gender? This course will include reading, discussions, films, guest speakers and independent projects. Students have a wide variety of project options: service learning, research papers, Web-based learning or art. There is no prerequisite and there is no final examination. (Dr. Dalton and Dr. Rotundo)

**HIST-SS572 Nuclear Power and
 (W) Weapons: Proliferation
 and Response**

This seminar follows the evolution of and reaction to atomic energy and The Bomb from the discovery of fission in 1938 on Otto Hahn's table in Nazi Germany, to Hiroshima, the Cuban missile crisis of 1962, the START talks and SDI and Chernobyl in the 1980s, and the increased danger of proliferation after the Cold War into the 21st century. Historians, chemists, physicists, political scientists and journalists are among those who tell the story, in lectures, documents, and secondary accounts. Readings include: Sheldon Stern, *Averting the Final Failure*; Richard Smoke, *National Security and the Nuclear Dilemma*, and *Bulletin of Atomic Scientists* articles (2003-2004). The course entails class seminars, field trips, films, readings, a research project, and two period tests. (Mr. Quattlebaum)

HIST-SS573 Urban Studies
(S) (not offered in 2004-2005)

Urban Studies is both an academic and a service-learning course, with each part informing and enlarging the other. The course explores the history and present shape of the nearby "immigrant city" of Lawrence and examines its people and their special situation in the context of broader historical, social and economic urban issues. It will also introduce developmental psychology, curriculum development and group skills. *Urban Studies* students will engage in internships in a Lawrence school. Beyond the core course work, reading, writing and discussion will be tailored to support the specific internship tasks. The course will culminate in an exhibition to synthesize the multidisciplinary academic work and the active internship learning. *Urban Studies* is a double course, counting for two credits. It is primarily for Seniors, who should apply to the instructor early in the winter term, although interested Uppers may apply.

HIST-SS574 Expansion and Indian
(S) Policy in 19th Century
America: "Kill the Indian,
Save the Man"

In this course, students will explore the dramatic and often tragic events that accompanied the rapid expansion of white America in the 19th century. With the Louisiana Purchase in 1803, Thomas Jefferson hoped to realize his dream of expanding the United States. The journeys of Lewis and Clark and other explorers helped open up the continent and make the dream a reality. The remarkably rapid expansion of white America permanently altered the way of life for native peoples as they faced intrusion into their traditional homelands. Throughout the 19th century the white government developed policies to deal with the "Indian problem" from assimilation to removal, from reservations to allotment. In this course, students will examine these policies and the race theories that underpinned them. How influential, for example, was the measurement of human skulls by Samuel Morton for his *Crania Americana*? What did it mean to "kill the Indian and save the man?" And how, then, could white officials justify the destruction of the buffalo in the name of progress? Students will use the collections at the Peabody Museum, together with traditional written source materials, to uncover white and Indian perspectives as the continent came under the control of the U.S. government. (Mrs. Doheny)

HIST-SS575 Six Lives of the 19th
(S) Century: Searching for
Salvation in the Fight
Against Slavery

This seminar explores the 19th century American antislavery movement through the lives of six prominent figures: Frederick Douglass, William Lloyd Garrison, Angelina Grimke, Harriet Beecher Stowe, Sojourner Truth and Theodore Dwight Weld, each of whom came to Andover Hill at one time or another – either as a resident or a visitor. We will consider the religious fervor that led up to the abolitionist movement and the sweeping array of reform movements that took place alongside abolitionism. The stories of these six remarkable characters will serve as our basis for understanding abolitionism in all its intensity and complexity. Finally, we will consider what role less famous people played in the movement by using a case study even closer to home: the 1835 "antislavery rebellion" at Phillips Academy. Among the questions we will address are: What was it about this era in American history that spawned so many passionate efforts to improve the world? What motivates people to devote their lives to a crusade like antislavery? To what degree do the abolitionists deserve credit for bringing about the end of slavery? Can an individual life change the course of history?

Both secondary sources and extensive primary sources (especially the writings of the six historical figures) will be used. Students will be asked to write several short papers and undertake independent research. Informed class participation will be a vital part of assessment in this seminar. (Mrs. Chase)

HIST-SS576 The Great War, 1914-
(W) 1919: Triumph and Tragedy

Starting with the deceptively simple question: Who fought whom and why?, this seminar will study World War I in both geopolitical and human terms. By exploring the balance of power in Europe and the world in 1914, students will examine issues of nationhood, economic interdependence, and political leadership. Study of the events of the war itself will raise another set of questions about the justification of war and the means of fighting it. Equal attention will be given to the human costs of the war; literature, memoirs and film will be used to capture the physical and psychological trauma of World War I. The course will end with a look at the new world map drawn by the victors at Versailles in 1919 and its implications for the future. Independent reading, research and writing will be the bases for assessment. There is no final examination. (Ms. Mulligan)

ADVANCED INDEPENDENT
RESEARCH IN HISTORY AND
SOCIAL SCIENCE

The department of history and social science encourages highly qualified and motivated seniors to research and write on topics of their own choosing, working on a tutorial basis with individual instructors. Such tutorials, which will require permission of both the supervising instructor and the department chair, may be undertaken as department-sponsored independent projects for one term, two terms, or the entire year.

Mathematics

The mathematics curriculum is built around a core sequence of eight trimester courses: three of elementary algebra, two of geometry, one of intermediate algebra and two of precalculus topics. The completion of these eight trimesters will satisfy diploma requirements, but two additional trimesters are required before a student may enter calculus. Placement of new students in the appropriate first course is made by the department, which considers the record in previous schools, the results of a self-administered placement test in elementary algebra that is sent to newly admitted students in the spring, and the course program chosen by the entering student.

Students entering with no prior study of algebra start with *Mathematics 100*; those with a partial year of algebra enter *Mathematics 150*. Students entering with a full year of algebra start with *Mathematics 210*. If the results of placement testing indicate a need for algebra review, then students who have not taken geometry start with *Mathematics 190* and continue to *Mathematics 210* in the winter.

New students who have taken one year of elementary algebra and one year of geometry will satisfy diploma requirements by taking *Mathematics 320*, *330* and *340*. Those with a strong background in intermediate algebra may enroll directly in *Mathematics 330*. If, on the basis of our testing, the student's algebra skills appear weak, then *Mathematics 250-1* may be required before *Mathematics 330* and *Mathematics 340*.

The department recognizes that it is appropriate for some students to accelerate their study of mathematics and consequently offers bypass exams in *Mathematics 320*, *330* and *360*. These exams are usually, although not always, taken after summer study. A student can prepare for a bypass exam by taking a summer school course, by being tutored or through self-study. Note that no credit for any summer school course is automatically granted. All students must demonstrate proficiency on a departmental exam. Permission of the department must be obtained before attempting to bypass any other course.

Students who plan to take a College Board SAT II Subject Test in mathematics should schedule the exam at the test date as close to the end of the appropriate math course as possible. Students who plan to take the SAT II Math Level IIC should do so after finishing *Mathematics 360*; those who plan to take the Level IC exam should do so after finishing *Mathematics 340*.

For students who wish to go beyond the required level, the department offers many electives, some of which lead up to and beyond the Advanced Placement examinations of the College Board.

There are several elective sequences after *Mathematics 360*, most of which culminate in a calculus course or an AP statistics course. Some students take *Mathematics 510-520*, a yearlong calculus course. Others take a four-term sequence, either *Mathematics 560-570*, *AB Calculus*, or *Mathematics 580-590*, *BC Calculus*. Still others take *Mathematics 600*, the yearlong *Honors BC Calculus* course. *Mathematics 530*, *AP Statistics*, is also an option and can be taken either before or after any calculus course. Other elective courses include *Mathematics 410* and *480*. *Mathematics 480* is often taken before starting a calculus course.

Every student enrolled in a mathematics course must have a Texas Instruments TI-83 Plus graphing calculator. The mathematics department uses the TI-83 Plus exclusively in class and requires students to have this specific brand and model. Students may purchase TI-83 Plus calculators by check or cash from the Phillips Academy mathematics department. The purchase price for scholarship students is less than for others. New students should not purchase a different model or brand of graphing calculator, as they will be required to have a TI-83 Plus.

COURSES LEADING TO SATISFACTION OF THE DIPLOMA REQUIREMENT

MATH-100/0 Elementary Algebra (a yearlong commitment)

Five class periods. A yearlong course for students who have had little or no algebra. Stress is placed on an understanding of the elementary structure and language of the real number system, on the manipulative skills of simplifying expressions and solving first- and second-degree equations, and on the study and graphing of polynomial functions. Work is done with word problems, inequalities, irrational numbers and right triangle trigonometry. **Prerequisite:** none.

MATH-150/4 Elementary Algebra (T2) (a two-term commitment)

Five class periods. A two-term course for those new students whose knowledge and skills are not strong enough to enter the one-term *Algebra Review* or *Geometry*. **Prerequisite:** a half to a full year of algebra.

MATH-190 Algebra Review (F)

Five class periods. A course for students who enter with a full year of algebra and whose knowledge and confidence indicate they need a brief review of algebra. **Prerequisite:** a full year of algebra.

MATH-210 Geometry (F-W-S)

Five class periods. A course for students who have had a strong ninth grade algebra course, but little or no geometry. This course is a thorough and systematic presentation of standard synthetic Euclidean geometry. Emphasis is placed on the need for precision and clarity in the writing of formal proofs. **Prerequisites:** a complete course in elementary algebra and good algebraic skills.

MATH-220 Geometry (F-W-S)

Five class periods. This course continues the work of *Mathematics 210*, with increased emphasis on the algebraic and numerical aspects of geometry. **Prerequisite:** *Mathematics 210*.

MATH-250/4 Algebra Consolidation (T2) (a two-term commitment)

Five class periods. A two-term course primarily for new students who have completed a yearlong geometry course but whose algebraic skills are not strong enough to place them in *Mathematics 320* or *330*. The course begins with a comprehensive review of elementary algebra and concludes with topics in intermediate algebra (as listed in the course description of *Mathematics 320*). Students who do satisfactory work in this course enter *Mathematics 330* in the spring. Students with a (T2) grade of "2" or "3" in *Mathematics 250* enter *Mathematics 320* in the spring.

MATH-310/0 Geometry and Precalculus (a yearlong commitment)

Five class periods. A yearlong course for extremely able entering students who have completed with distinction an intermediate algebra course but have not completed a yearlong geometry course. The course covers Euclidean geometry (both synthetic and coordinate) and elementary functions. This course completes the diploma requirement and prepares students to enroll in *Mathematics 350*. **Prerequisite:** credit for one year of elementary algebra and one year of intermediate algebra.

**MATH-320 Intermediate Algebra
(F-W-S)**

Five class periods. For returning students this course is taken after *Mathematics 220, Geometry*. Topics include sets; properties of real numbers; factoring; fractional and negative exponents; radicals; absolute value; solutions of linear, quadratic and radical equations and word problems. In addition, students are introduced to the more advanced features of the TI-83 Plus graphing calculator. **Prerequisite:** *Mathematics 220* or its equivalent.

**MATH-330 Precalculus
(F-W-S)**

Five class periods. An exploration of relations and functions with the TI-83 Plus graphing calculator. The uses of graphs and tables to solve equations, systems of equations, and inequalities are introduced. Students have the opportunity to collect data and create functions to describe the behavior. **Prerequisite:** *Mathematics 320* or its equivalent.

**MATH-340 Precalculus
(F-W-S)**

Five class periods. An exploration of functions in greater detail and with more abstraction. Multiple representations of a function—as a table of values, as a graph and as an algebraic rule—are a central theme. Elementary functions (polynomial functions and inverse functions, in particular) and their transformations, compositions and applications are emphasized. Completion of this course satisfies the diploma requirement. **Prerequisite:** *Mathematics 330* or its equivalent.

Entering Seniors whose prior work has not satisfied the diploma requirement must complete *Mathematics 390/4 (T2)* or *Mathematics 400* or a term of calculus.

**MATH-390/4 Elementary Functions I
and II (T2)**
(a two-term commitment)

Five class periods. Designed for entering Seniors who need to satisfy the diploma requirement in mathematics, the course includes a review of the fundamentals of algebra, analytic geometry of lines and circles, and extensive work with elementary functions. Strong emphasis is placed on graphing and on the use of graphs as an aid in problem solving. The winter term focuses on polynomial, exponential, logarithmic and trigonometric functions and their applications. **Prerequisite:** credit for three years of high school mathematics.

**MATH-400 Elementary Functions II
(F)**

Five class periods. A course primarily for entering Seniors who need to satisfy the diploma requirements in mathematics but who do not need the two-term *Mathematics 390/4*. The course is comparable to the winter term of *Mathematics 390/4* and focuses on functions and their applications, including polynomial, exponential, logarithmic, circular and trigonometric functions. Strong emphasis is placed on graphing and the use of graphs as an aid in problem solving. **Prerequisite:** credit for three years of high school mathematics or permission of the department.

ELECTIVE COURSES

Only courses with sufficient enrollment will be given.

**MATH-350 Precalculus
(F-W-S)**

Five class periods. This course focuses on rational, exponential and logarithmic functions. The TI-83 Plus graphing calculator is used for continued study of non-linear data sets with special attention to sets that grow exponentially and logarithmically. Elementary work with arithmetic and geometric sequences is included. **Prerequisite:** *Mathematics 340* or its equivalent.

**MATH-360 Precalculus Trigonometry
(F-W-S)**

Five class periods. This is the standard course in circular and trigonometric functions with applications. It is required for those wishing to go on to *Mathematics 480* or calculus. Occasionally, superior students who complete *Mathematics 330* with distinction do *Mathematics 360* on their own during the summer preceding their enrollment in *Mathematics 340* and *Mathematics 350* in order to qualify for calculus in the spring. Such students must take an examination in *Mathematics 360*. **Prerequisite:** *Mathematics 350* or permission of the department.

Mathematics 410, 470 and 480 are non-calculus electives that may be taken either before beginning a calculus course or as alternatives to the calculus course. Of these four courses, *Mathematics 480* is the natural extension of the *Mathematics 340, 350, 360* precalculus sequence, developing earlier work more deeply and strengthening a student's command of algebra and trigonometry. *Mathematics 410* and *470*

are courses in non-continuous, discrete mathematics, an area of growing importance that is quite different from the precalculus/calculus sequence.

**MATH-410 Probability
(F-W-S)**

Four class periods. Includes sample spaces, counting problems, sampling, conditional probability, random variables, expected value, variance, standard deviation, binomial and normal distributions. The computer is used on applications that are too time-consuming to perform by hand and to simulate experiments for which there are no models. **Prerequisite:** *Mathematics 350* or its equivalent.

**MATH-470 Discrete Mathematics
(W)**

Four class periods. This course covers selected topics of discrete mathematics and their applications to engineering, computer science and the real world, including combinatorics, sets, mathematical logic, recursion, graphs and networks. **Prerequisite:** *Mathematics 360* or its equivalent.

**MATH-480 Analytic Geometry
(F-W-S)**

Four class periods. This course is an extension of earlier work on lines and curves in the plane. It includes extended locus problems and further study of the conic sections: parabolas, ellipses and hyperbolas and their simple rotations. The course includes an introduction to the algebraic description of three-space: vectors, curves, planes, simple surfaces and their intersections. **Prerequisite:** *Mathematics 360* or its equivalent.

**MATH-500/5 Advanced Mathematics
(T2)**
(a two-term commitment)

Four class periods. Primarily for Seniors, but open to other students who want to continue the study of functions and get an introduction to calculus. Topics include analytic geometry, complex numbers, sequences, series, iteration and an introduction to calculus. The calculus topics will include limits, problems of optimization, rates of change, areas under curves and lengths of curves. **Prerequisite:** *Mathematics 360, Mathematics 400* or an equivalent course in trigonometry and elementary functions.

MATH-510 Calculus**(F)**

Five class periods. Primarily for Seniors. Topics covered include a review of functions and graphing, limits, continuity, determination of derivatives and integrals from graphs of functions (not from their formal definitions). **Prerequisite:** *Mathematics 360* or the equivalent or *Mathematics 500*.

MATH-520/5 Calculus (T2)**(a two-term commitment)**

Five class periods. This is a continuation of *Mathematics 510*. Topics covered include the definite integral, the Fundamental Theorem of Calculus, further differentiation of functions, techniques and applications of integration. The most successful students will be in a position to do the AB Advanced Placement examination in calculus. **Prerequisite:** a grade of "3" or higher in *Mathematics 510* or permission of the department.

MATH-530 AP Statistics I**(F)**

Five class periods. The first term of a yearlong sequence that prepares for the Advanced Placement Examination in Statistics. This term primarily covers the exploratory analysis of data, making use of graphical and numerical techniques to study patterns, and developing plans for data collection of valid information. **Prerequisite:** *Mathematics 360* or permission of the department.

MATH-530/5 AP Statistics II (T2)**(a two-term commitment)**

Four class periods. A continuation of *Mathematics 530* finishing the syllabus for the Advanced Placement examination in May. Topics include probability as the tool for producing models, random variables, independence, normal distribution, simulation, sampling, statistical inference, confidence intervals and tests of significance. **Prerequisite:** *Mathematics 530*.

MATH-560 AB Calculus I**(S)**

Five class periods. This is the beginning of the four term calculus sequence that, together with *Mathematics 570*, covers the syllabus of the AB Advanced Placement examination. This term focuses primarily on differential calculus: limits, continuity, derivatives and applications of derivatives. Some integral calculus may be covered if time permits. Graphical, numerical and analytic methods will be used throughout the course.

Prerequisite: *Mathematics 360* or its equivalent with no grade lower than a 3 in *Mathematics 340, 350 and 360*.

MATH-570 AB Calculus II**(F)**

Five class periods. This course continues the work of *Mathematics 560* in preparation for the AB Advanced Placement examination. Topics include integration and applications of integral calculus. **Prerequisite:** *Mathematics 560* completed with at least a "3" or *Mathematics 580*.

MATH-570/5 AB Calculus II (F2)**(a two-term commitment)**

Five class periods. A continuation of *Mathematics 570* finishing the syllabus for the AB Advanced Placement Examination. **Prerequisite:** *Mathematics 570* completed with at least a "3" or *Mathematics 590*.

MATH-580 BC Calculus I**(S)**

Five class periods. This is the beginning of a four-term calculus sequence recommended for students who are well prepared in precalculus. With *Mathematics 590* it covers the syllabus of the BC Advanced Placement examination. Topics covered include primarily differential calculus: limits, continuity, derivatives, the Chain Rule, related rates and the Mean Value Theorem. Some integral calculus is also covered. Graphical, numerical and analytic methods are used throughout the course. **Prerequisite:** *Mathematics 360* or its equivalent with no grade lower than a "4" in *Mathematics 340, 350 and 360*. Those students who do not meet this requirement should either take *Mathematics 560* or take *Mathematics 480* followed by *Mathematics 510*.

MATH-590 BC Calculus II**(F)**

Five class periods. This course continues the work of *Mathematics 580* in preparation for the BC Advanced Placement examination. Topics include integration and applications of integral calculus. **Prerequisite:** *Mathematics 580* completed with a grade "4" or departmental permission.

MATH-590/5 BC Calculus II (T2)**(a two-term commitment)**

Five class periods. A continuation of *Mathematics 590* finishing the syllabus for the BC Advanced Placement examination. **Prerequisite:** *Mathematics 590* completed with a grade of "3" or better.

MATH-600/0 Honors BC Calculus**(a yearlong commitment)**

Five class periods. A yearlong course in calculus that begins only in the fall. Enrollment is limited to the most able mathematics students. Satisfactory completion of this course prepares students for the College Board BC Advanced Placement examination. This course may require more than the standard four to five hours per week of homework. In order to qualify for this course, returning students must perform satisfactorily on a special precalculus entrance examination given the previous spring term. **Prerequisite:** *Mathematics 360* or its equivalent, departmental permission and demonstrated excellence on entrance tests.

MATH-630/1 Honors Mathematics**MATH-630/2 Seminar****MATH-630/3**

Four class periods. Each term's seminar will be devoted to one topic, which will be developed in depth. The term's topic will be announced the previous term and might be: Topics in the History of Mathematics; Numerical Methods and Approximations; Non-Linear Dynamical Systems—Instability, Chaos and Fractals; Complex Analysis; Abstract Algebra—Groups, Rings and Fields; Mathematical Models in the World Around Us; Topics in Discrete Mathematics; or Number Theory. Participants need to be prepared to work on one topic in great detail and, in some seminars, to work as part of a team on the solution of problems. **Prerequisite:** three terms of calculus or departmental permission.

MATH-650 Linear Algebra**(F)**

Four class periods. For students of demonstrated ability and interest. Vectors, lines and planes in space and an introduction to linear algebra including matrices, Gaussian elimination, vector spaces and eigenvectors. **Prerequisite:** *Mathematics 590* or *Mathematics 600*, or departmental permission.

MATH-650/5 Calculus of Vector Functions (T2)**(a two-term commitment)**

Four class periods. A continuation of *Mathematics 650* covering functions of many variables, partial differentiation, gradients, vector valued functions, multiple integration and its applications, line integrals and Greens Theorem. **Prerequisite:** *Mathematics 650*.

COMPUTER COURSES

The mathematics department teaches introductory and advanced computer science courses and supports some more advanced independent study.

COMP-310 Computer Applications (F-W-S) and Web Page Design

Four class periods. This one-term course exposes students to using a personal computer with business productivity applications such as Microsoft Excel and PowerPoint, as well as to the design of simple web pages. The first half of the course will cover the design of spreadsheets (data entry, formulas and functions, graphing, databases) and the creation of presentations (templates, inclusion of graphics and data, animation). After an overview of the hardware and software architecture of a PC and the Web to start the second half of the class, students will learn the HTML language, allowing them to design their own web pages. This course does not qualify a student for *Comp-500*. **Prerequisite:** none.

COMP-350 Introduction to (F-W-S) Programming and Computer Science

Four class periods. This one-term course introduces students to computer hardware and software and then focuses on the fundamentals of programming using the Java language. The course will cover Java syntax and style, data types, conditional statements, and loops. It will also introduce the concepts of object-oriented programming, relating them to Java classes, fields and methods. Students will learn how to write and test short programs, design simple algorithms, and use software development tools. A grade of "4" or higher in this course qualifies a student for *Comp-500* (*AP Computer Science I*). **Prerequisite:** enrollment in *Math 210* or demonstration of some degree of abstract thinking and formal logical reasoning.

COMP-500 Advanced Placement (F) Computer Science I

Five class periods. The first term of a yearlong course in algorithms, object-oriented programming, and data structures, guided by the course description of the College Board's AB-level Advanced Placement exam in Computer Science. The course covers Java language syntax and style, classes and interfaces, lists and iterators. This course may require more than the standard four to five hours per week of homework. **Prerequisite:** a grade of at least "4" in *Comp-350*, or permission of the department.

COMP-500/5 Computer Science (T2) (a two-term commitment)

Five class periods. This course is the continuation of *Comp-500* in Java. The emphasis is on data structures and the design of larger programs. This course completes the preparation for the AB-level Advanced Placement exam in Computer Science. The students will study abstract data types (stacks, queues, binary trees, priority queues, etc.), recursion, and algorithms (searching, sorting, hashing, etc.). The course may require more than the standard four or five hours per week of homework. **Prerequisite:** *Comp-500*.

COMP-630 Advanced Topics in (F-W-S) Computer Science

Four class periods. This class offers students with experience and advanced knowledge of Computer Science the opportunity to explore specific topics beyond the College Board's AP curriculum. Topics will vary from year to year, and may include Graphical User Interface design, introduction to computer graphics, or introduction to database design. This course may require more than the standard four or five hours per week of homework. **Prerequisite:** a grade of at least "5" in *Comp-500*, or permission of the department.

Music

All entering students must take a music placement test to determine at what level they should enter the music curriculum. Students without much previous experience in music will enter the curriculum by taking *Music 200* or *Music 210*. Students who read music and who have played an instrument for several years, but who have not had much formal classroom study, generally enter the curriculum by taking *Music 220* in the Junior year or *Music 250* in later years. Students who read music, who are experienced on an instrument, and who demonstrate proficiency in music history and/or theory will enter the curriculum by taking either *Music 260* or *Music 270*.

Approximately half of entering Juniors will satisfy their diploma requirements in music by taking either *Music 210* or *Music 220*, depending on placement. Members of the Junior class who do not take *Music 210* or *Music 220* will satisfy their requirements in one of two ways. Many of these students will take *Music 200* during the Lower year and then complete their diploma requirements by taking either an ensemble for credit (*Music 150-180*), or any course higher than *Music 210*. Students who bypass *Music 200* as a result of their performance on the music placement test will satisfy their diploma requirements by taking two courses higher than *Music 220*.

Entering Lowers must take a total of three trimesters of art and music, with at least one course in each area. Subject to their performance on the music placement test, most will take *Music 200*. Students who take *Music 200* and who then elect to take a second music course to fulfill the diploma requirements in art and music will take either an ensemble for credit (*Music 150-180*) or any course higher than *Music 220*. Entering Lowers who, as a result of their performance on the music placement test, bypass *Music 200* will take one music course higher than *Music 220*. If such a student decides to take a second music course to fulfill the three-term requirement in art and music, she or he may do so by taking any course higher than *Music 220*.

Entering Uppers must take a trimester course in either music (200 level or above) or art at the academy. Entering Seniors should take one trimester of either music (200 level or above), art or theatre.

Students may take any course below the 200 level at any time and, if they desire, repeatedly. *Music 200* or exemption on the basis of performance on the music placement test, is a prerequisite for all upper level electives.

APPLIED MUSIC

Courses in this section may be taken any time.

MUSC-150 Fidelio Society (F-W-S)

Two class periods. Open to all classes. This small group of mixed voices is selected from the chorus (*Music 170*). It performs on numerous occasions throughout the year both on chorus programs and on its own. Its repertoire includes music of all types, early and modern, sacred and secular. Membership is by audition and is conditional upon continued good standing in the chorus. A student may take *Music 150* and *Music 170* simultaneously, but only one will be for credit. This course, if failed, cannot be made up by examination. (Ms. Skelton)

MUSC-160 Band (F-W-S)

Two class periods. Open to all qualified students. Try-outs are held any time before the beginning of a term to test the student's ability and to arrange for seating. There are some school-owned instruments available for student use. All types of music for wind ensemble are rehearsed, including marches as well as classical, popular and show music. Some sight-reading is done, and at least one public concert per term is given. Students taking this course for credit must be taking either instrumental lessons or a weekly seminar in music theory. This course, if failed, cannot be made up by examination. (Mr. Monaco)

MUSC-170 Chorus (F-W-S)

Two class periods. Open to all qualified students. The chorus is the academy's major singing group composed of mixed voices, and it performs a variety of choral works, both sacred and secular. Those wishing to take the course on a non-credit basis need no previous choral participation, just a desire to work hard and attend all the rehearsals. Students taking the course for

credit must either be taking voice lessons or a weekly seminar in music theory. If they have not sung in the chorus before, they may take the course for credit only with the permission of the instructor. This course, if failed, cannot be made up by examination. (Mr. Walter)

MUSC-180 Chamber Orchestra (F-W-S)

Two class periods. Open to all classes. Most of the music played is for string orchestra, the best winds in the school are invited to join for larger works. While Chamber Orchestra may be elected as a credit bearing course, it is also an activity in which all are invited to participate. Students taking this course for credit must either be taking instrumental lessons or a weekly seminar in music theory. This course, if failed, cannot be made up by examination. (Mr. Thomas)

MUSC-190 Private Instrument and Voice Lessons (F-W-S)

Two class periods per week, plus required attendance at three on-campus concerts per term. Open to Lower, Uppers and Seniors. Juniors may enroll in the course only with the permission of the department chair. One class meeting each week is a 30-, 45- or 60-minute instrumental or voice lesson. The other weekly class meeting is a theory seminar that reinforces notational and aural skills. Lessons are available on all band and orchestral instruments and, in addition, on the piano (classical and jazz), organ, harpsichord, harp, guitar (classical, folk, rock and jazz), bagpipes and voice.

Music 190 as a credit course—instrumental lessons may be taken for credit or non-credit—is designed for students of all levels of ability who wish to study an instrument seriously. Instrumental study should not be entered into lightly: This work requires great commitment, self-motivation, independence and discipline. In order that maximal progress is accomplished in minimal time, *Music 190* credit students are expected to practice one hour every day. They must also prepare for a performance of their work at the end of the term.

There is a charge of \$32 per 30-minute lesson, \$44 per 45-minute lesson and \$55 per 60-minute lesson. Keyboard players are assessed a charge of \$25 per term for their use of practice pianos and organs. The academy owns many other instruments that may be rented for \$25 per term. Financial assistance for lessons and/or instrument rental is available for students who are on scholarship. A *Music 190* credit student who is classified by the music department as a

beginner MUST take *Music 190* for two consecutive trimesters. *Music 190*, if failed, cannot be made up by examination.

MUSC-191 Private Instrument and Voice Lessons (F-W-S) (non-credit)

One class period. Weekly non credit lessons are available on all band and orchestral instruments and, in addition, on the piano (classical and jazz), organ, harpsichord, harp, guitar (classical, folk, rock and jazz), bagpipes and voice.

There is a charge of \$32 per 30-minute lesson, \$44 per 45-minute lesson and \$55 per 60-minute lesson. Keyboard players are assessed a charge of \$25 per term for their use of practice pianos and organs. The academy owns many other instruments that may be rented for \$25 per term. Financial assistance for lessons and/or instrument rental is available for students who are on scholarship.

DIPLOMA REQUIREMENT COURSES

The following five courses contribute toward satisfying the diploma requirement in music. Performance on the music placement test determines with which course a student should enter the music curriculum.

MUSC-200 The Nature of Music (F-W-S)

Five class periods. This course offers a basic introduction to music literature, theory, performance and composition. Music from many cultures and historical periods is examined in an attempt to increase student awareness of the patterns of syntax and vocabulary that comprise all musical language. Students compose several original compositions, and they also receive instruction on musical instruments. No previous experience in music is required.

MUSC-210/0 The Nature of Music (for Juniors)

(a yearlong commitment)

Three class periods. Open to Juniors only. This course presents all of the material contained in *Music 200* and pursues composition further with the use of computers. No previous experience in music is required.

**MUSC-220/0 The Nature of Music B
(for Juniors)**

(a yearlong commitment)

Three class periods. This course is designed for Juniors who have had some experience reading music and playing an instrument. As a more advanced version of *Music 210*, it will include exercises in composition, with more extensive use of music technology. Study of some core works of music literature from a variety of cultures will help develop listening skills, and there will be opportunities for live music-making in class.

**MUSC-250 Survey of Music History
(F-W-S)**

Five class periods. A one-term survey of music history with a primary focus on music of the Western world. The course progresses chronologically from ancient music to the music of today, exploring along the way the religious, social, historical and human issues surrounding music and its composition. **Prerequisite:** *Music 200* or a bypass of *Music 200* on the basis of performance on the music placement test.

**MUSC-260/1 Music Literature and
MUSC-260/3 Analysis**

Five class periods. This course closely examines individual works of Western music with the help of live and recorded music, musical scores and CD-ROM programs. In the winter term the focus is on medieval chant and early polyphony and single works by Bach, Mozart, Haydn and Beethoven. In the spring term we study works by Josquin, Schubert, Berlioz, Debussy and Stravinsky. Students placed in this course should have plenty of experience singing or playing an instrument. (Mr. Walter)

**MUSC-270 Introduction to Theory
(F) and Composition**

Five class periods. Entering students are expected to have at least a rudimentary familiarity with musical notation. A quick review of notation is followed by the study of scales, intervals, tonality, harmony, melodic organization, voice-leading, four-part choral writing, harmonic progression and style period analysis. Ear training skills are developed through dictation and sight-singing, and keyboard skills are introduced. Students acquire some skill and experience working with computer programs for ear training and music-processing. During the term, students compose several original compositions including the final project of a minuet in the classical style. This course combines with *Music 440* and *450* to form a yearlong sequence.

INTERMEDIATE ELECTIVES

Each of the following upper-level courses requires a course taken previously at the 200 level.

**MUSC-310 Jazz
(W-S)**

Four class periods. A study of the history of classic jazz, dating back to its roots in Africa, its development in New Orleans, its spreading to New York and Chicago, and its influence on music today. A survey of ragtime, blues, Dixieland, fox-trot, on through the big band era of the '30s, concluding with the jazz rock of today. A study of the influence and contributions of the major personalities such as W.C. Handy, Jelly Roll Morton, Louis Armstrong, Basie, Whiteman, Gershwin and the rest of the greats. (Mr. Cirelli)

**MUSC-340 African Drumming
(F-W-S) Ensemble**

Pass/Fail. Four class periods. This course focuses upon the rhythmic dimension of music, introduces the role of music in African culture and teaches improvisational and ensemble skills. The school owns 20 African drums, which allows for as many as 20 students to be enrolled at any time. If skill and interest permit, public performances will be arranged. This course, if failed, cannot be made up by examination. A \$25 fee is charged for the use of the school's African drums. (Mr. Alade)

**MUSC-360 Electronic Music
(W-S)**

Four class periods. This composition course is designed to enable students with modest notational skills to use electronic equipment in order to compose music. Equipment used includes mixing board, analog and four-track tape recorders, digital stereo and eight-track recorders, analog and digitally controlled synthesizers, drum machine, Macintosh computer, and sequencing software (Professional Performer). Projects include compositions in the style of *musique concrète* and other sound collages using synthesizers. Space limitations in the electronic music studio require that the course be limited to nine students per term. Students must reserve three, two-hour private work sessions in the studio per week. A lab fee of \$25 is charged for the use of the equipment. This course does not focus on popular music. *Music 360*, if failed, cannot be made up by examination. (Mr. Monaco)

**MUSC-370 Advanced Electronic Music
(W-S)**

Four class periods. This course continues to develop the skills and techniques introduced in *Music 360*. A \$25 lab fee is charged for the use of the equipment. **Prerequisite:** *Music 360*. *Music 370*, if failed, cannot be made up by examination.

**MUSC-380 Words and Music
(W)**

Four class periods. Open only to Seniors and Uppers. This course focuses on works of art in which words and music cooperate. Following a loosely chronological path, this course examines music from Renaissance motets and madrigals, Classical opera and Romantic art songs, to contemporary song cycles. Along the way, connections between the written word and music are explored. Literature studied has included Joyce's *The Dead*, Shakespeare's *A Midsummer Night's Dream*, and Baldwin's *Sonny's Blues*. The stories of *A Midsummer Night's Dream* and *Don Juan* are traced through their many incarnations, including, wherever possible, movies. Student assessment is based upon contribution to class discussions, short papers, occasional quizzes and an original project involving both words and music at the end of the term. *Music 380* counts as a course in which Seniors do some writing in the English language.

ADVANCED ELECTIVES

Each of the following courses may require more than the standard four to five hours per week of homework.

**MUSC-440 Intermediate Theory and
(W) Composition**

Five class periods. Continuing from where *Music 270* leaves off, this course examines dominant seventh chords, leading-tone sevenths, and nondominant seventh chords. In an attempt to bring theoretical knowledge into practice, score analysis is emphasized both in and out of class. Regular homework devoted to ear-training, sight-singing and dictation begins to prepare students for the AP exam in the spring. During the term, students compose two major original works: a set of variations in the classical style and an original song setting of either a pre-existing poem or an original text. **Prerequisite:** *Music 270* or permission of instructor.

**MUSC-450 Advanced Theory and
(S) Composition**

Five class periods. Completing the theory sequence, the focus for this term is on preparation for the AP exam in May. This exam, if successfully passed, will ensure that students receive college credit for their year of music theory study. Material covered includes modulation, secondary dominants, serialism and other 20th century compositional techniques. American popular song, blues and jazz. Students compose two major works: a 12-tone composition and a Sesame Street song in one of the popular styles studied. Prerequisite: *MusC 440* or permission of instructor.

**MUSC-500 Chamber Music
(S) Performance Seminar**

Four class periods. This summary course affords students an opportunity to apply their theoretical knowledge to practical music making through the analysis and performance of chamber music. The process of performance and its attending anxieties will also be studied through readings and exercises. Class work consists of sight-reading, performing, coaching, and discussing chamber works and performance issues. Homework consists of individual practice, group rehearsal, and readings from books about performance. Students are expected to be advanced instrumentalists and they will generally have taken at least one course beyond *MusC 250*. Because different literature is studied each term, this course may be taken more than once. Prerequisite: permission of the department. If failed, this course cannot be made up by examination.

Natural Sciences

In order to participate fully in society, citizens require knowledge of scientific issues and an understanding of how those issues relate to their lives. People who are broadly educated and who also have special expertise in the sciences are vital to the well being of our planet and its inhabitants. A central goal for our students is that they gain scientific literacy by engaging in many of the processes of science.

The diploma requirement in science is two year-long science courses. Four-year students are reminded of the academic guideline for a year (yearlong course or three terms) of science beyond the two-year requirement.

A strong academic background will include some experience in biology, chemistry and physics. Four-year students generally take biology in the ninth grade, followed by chemistry in the 10th grade; however, individual interests, backgrounds and abilities may indicate other appropriate sequences.

Each department offers advanced courses for students who wish to add depth to their science studies, and focused, term-contained courses that are not advanced to allow students to discover and explore an interest in biology, chemistry or physics outside the traditional introductory syllabus. In addition, advanced interdisciplinary work may be undertaken in the *Environmental Science* and *Molecular Biology* courses.

The natural sciences division gives priority to staffing the yearlong science courses. Students who wish to take a full year of science can be so guaranteed only by taking a yearlong course. Enrollment in term-contained science courses is limited and determined by seniority.

Biology

The biology department offers a yearlong introductory course which satisfies part of the diploma requirement for a laboratory science. Most Juniors will take *Biology 100* as their introductory science course. Uppers and Seniors are placed in *Biology 550* or *560*, *570*, *580* by the department chair. In general, students who have had a year of biology and honors in chemistry, or have had AP Chemistry and AP Physics, will be in the *560*, *570*, *580* sequence. Most other students who wish to take the Biology AP exam should take *Biology 550*. *Biology 100* is not intended to prepare students for a College Board SAT II Subject Test in Biology. Students who plan to take an SAT II Subject Test in Biology should do so after completing *Biology 550* or the *Biology 560*, *570*, *580* sequence.

Lowers may take biology only by special permission from the department chair.

**BIOL-100/0 Introduction to Biology
(a yearlong commitment)**

Biology 100 is a 5-hour course which includes significant time in the laboratory. This course is for Juniors. *Biology 100* is theme-based and focused on major biological topics. Studying a core text will be supplemented with other readings, writing assignments and data analysis and interpretation. Students will learn a variety of study skills and will have an introduction to library research tools. Laboratory experiments and fieldwork are designed to acquaint students with fundamental biological principles and to build skills in the methods and techniques used to elucidate those principles.

**BIOL-410 Ecology
(W)**

Biology 410 is a 5-hour course with time each week spent in either the laboratory or in the field. It is designed for Uppers and Seniors who have completed a yearlong science course. *Biology 410* will begin examining the basic concepts of ecology, such as energy flow, food chains and pyramids, nutrient cycles and population dynamics. The majority of the work will focus on major topics of human ecology, such as world population, global warming, ozone destruction, water treatment, waste disposal and energy choices for now and the future. A project or paper will be required. Not open to students who have taken *Environmental Science 500/0* or a 500-level biology course.

**BIOL-600 Molecular Biology
(E-W) Laboratory Research**

This is a course in laboratory research in molecular biology. Open to Uppers and Seniors. **Permission of the instructor is required.** Meets eight class periods (four double periods) a week. Students in this course will learn laboratory techniques for working with DNA and bacteria. Experiments will center on the molecular genetics of microorganisms including the isolation, cutting and splicing of DNA by recombinant DNA biotechnologies, and the polymerase chain reaction. After learning a core of methodologies that are used in professional labs, students will apply them to short, focused research projects in biotechnology.

Uppers may use this course as a springboard for a science competition project, which would be accomplished at a professional lab during the following summer. Reading articles in scientific journals as appropriate is part of a student's research. Students will also be asked to keep a lab journal and to write and present a scientific paper. This course, if failed, may not be made up by examination. **Prerequisite:** one year of biology and one year of chemistry with grades of "C" or above.

**BIOL-610 Molecular Biology
(W-S) Independent Research**

Students wishing to continue work from *Biology 600* may apply directly to the instructor for permission to enroll in *Biology 610*. Enrollment is strictly limited and is at the discretion of the instructor and the biology department chair. Laboratory schedules will be determined on a case-by-case basis; however, a student must be able to be in the lab for a minimum of eight hours per week at times when the instructor is available for supervision. This course is an advanced course that may require more than the standard nine hours of work per week. Requirements for successful completion of the term are similar to those for *Biology 600*. This course, if failed, cannot be made up by examination.

Chemistry

The chemistry department offers two yearlong introductory courses in chemistry, each of which fulfills part of the diploma requirement for a laboratory science. Placement in *Chemistry 250* and *Chemistry 300* is generally based on concurrent mathematics placement. Students who wish to take the Chemistry AP exam may prepare for it by taking either *Chemistry 550* (a yearlong course) or *Chemistry 580* (an advanced, second-year course).

Juniors and lowers may take *Chemistry 550* with permission of the department chair.

**CHEM-250/0 Introduction to Chemistry
(a yearlong commitment)**

Five class periods per week. An introduction to the chemical view of the material world, including atomic theory, atomic structure, chemical reactions, the nature of solids, liquids, gases and solutions, general equilibria, acid-base theories, electrochemistry and aspects of nuclear chemistry. Emphasis is placed on developing problem-solving skills as well as on making connections between chemical principles and everyday life. The pace of this course is adjusted to ensure that students have ample opportunity to ask questions. Laboratory work is an integral part of the course. The syllabus is appropriate preparation for the College Board SAT II Test. High honors work adequately prepares a student for *Chemistry 580*. **Co-requisite:** registration in *Mathematics 190* or above.

**CHEM-300/0 College Chemistry
(a yearlong commitment)**

Five class periods. This course is an introduction to the theoretical framework of modern chemistry, including atomic structure, chemical bonding, phase changes, solutions, chemical reactions, thermodynamics, kinetics, general equilibria, acid-base equilibria, electrochemistry, and aspects of inorganic and nuclear chemistry. Emphasis is placed on developing problem-solving skills and understanding the experimental basis of theories. A college-level text is used. Laboratory work is an integral part of the course. The syllabus of this course is appropriate preparation for the College Board SAT II Test. **Co-requisite:** registration in at least *Mathematics 320* or its equivalent.

**CHEM-440 Chemistry of Nutrition
(W)**

Four class periods per week. Open to Uppers and Seniors only. This course will study carbohydrates, fats, proteins, vitamins, minerals and phytochemicals with respect to their chemical structure, role in the human body and occurrence in food. The connection between diet and disease will be examined as well. What is the nature of the relationship between fat and cancer, and fat and heart disease? What are the data underlying the fiber hypothesis and the protective role of antioxidant vitamins? Other topics, such as sports nutrition, energy balance and food additives, will also be addressed. A short research paper on some topic of interest will be required as well as a final exam. **Prerequisite:** one year of biology, chemistry or physics.

**CHEM-460 Chemistry of the
(S) Environment**

Four class periods. Open to Uppers and Seniors only. This course is concerned with the effect of chemistry on the earth and the implications of human action on the environment. Current issues—such as global warming, ozone depletion, air and water pollution, chemical waste and alternative sources of energy—are discussed. Chemical theories and principles are introduced as needed. **Prerequisite:** One year of biology, chemistry or physics.

**CHEM-550/0 Advanced Placement
Chemistry
(a yearlong commitment)**

Six class periods, two of which are in the laboratory. Open only to Uppers and Seniors who will be enrolled in at least *Mathematics 350*. For Lowers, permission of the department chair is required. This course is not open to students who have taken *Chemistry 300* or its equivalent. This is a rigorous course that treats the topics addressed in college chemistry in greater depth and prepares students for the Advanced Placement examination in chemistry. Laboratory work is an integral part of the course. This course may require more than the standard four to five hours per week of homework. The syllabus of this course is appropriate preparation for the College Board SAT II Test. A short research paper or laboratory project may be undertaken in lieu of a final exam at the end of the Spring Term.

CHEM-580/0 Advanced Chemistry
(a yearlong commitment)

Six class periods per week. Open to students who have a high honors grade ("6") in *Chemistry 250* or a "4" or above in *Chemistry 300*. This is a rigorous second-year course that builds on the principles learned in the first year. It prepares students for the Advanced Placement examination and also includes topics beyond the AP syllabus. Laboratory work is an integral part of the course. Students will have an opportunity to review current literature on selected topics or select a lab research topic in preparation for a class seminar they will present in lieu of a final exam at the end of the spring term.

BIOL-600 Molecular Biology
(F-W) **Laboratory Research**

This is a course in laboratory research in molecular biology. Open to Uppers and Seniors. Permission of the instructor is required. Meets eight class periods (four double periods) a week. Students in this course will learn laboratory techniques for working with DNA and bacteria. Experiments will center on the molecular genetics of microorganisms, including the isolation, cutting and splicing of DNA by recombinant DNA biotechnologies and the polymerase chain reaction. After learning a core of methodologies that are used in professional labs, students will apply them to short, focused research projects in biotechnology.

Uppers may use this course as a springboard for a science competition project, which would be accomplished at a professional lab during the following summer. Reading articles in scientific journals as appropriate is part of a student's research. Students will also be asked to keep a lab journal and to write and present a scientific paper. This course, if failed, may not be made up by examination. **Prerequisite:** one year of biology and one year of chemistry with grades of "4" or above.

CHEM-610 Organic Chemistry
(F)

Four class periods. This course introduces many of the basic reactions and concepts students will encounter in their future studies of chemistry, biology or medicine. Rather than covering a large number of reactions, as might happen in a second-year (full year) college organic chemistry course, this course emphasizes an understanding of general principles of reactivity and mechanism. The classroom work is supplemented by demonstrations and laboratory investigations, through which students learn the fundamental tools of this highly empirical science. In addition, each student gains detailed knowledge of an area of active research related to organic chemistry. After selecting a topic of interest, each student prepares a paper and a class seminar, using current scientific literature. This course may require more than the standard four to five hours per week of homework. **Prerequisite:** completion of either *Chemistry 550* or *Chemistry 580*.

CHEM-620 Introduction to
(W) **Spectroscopy and**
 Chromatography

Four hour course. This course is designed for students who have satisfactorily completed either *Chemistry 550* or *Chemistry 580*. Students who have completed *Chemistry 300* with an honors grade may apply to the instructors for permission to enroll. Taught by two instructors, the course will emphasize analytical (quantitative) techniques and spectrometric identification of organic compounds. Topics will include ultraviolet, visible and infrared spectroscopy; thin-layer and paper chromatography; nuclear magnetic resonance spectroscopy; and atomic absorption and emission techniques. A laboratory component will complement theoretical problem-solving of spectra. (Mr. Maqubela and Dr. Stern)

Environmental Science

In addition to *Chemistry of the Environment* (*Chemistry 460*), *Ecology* (*Biology 410*) and *Evolution and Ecology* (*Biology 580*), an advanced, interdisciplinary course in Environmental Science is offered.

ENVR-500 Environmental Science
(not offered in 2004-2005)

Five class periods. The course begins with a study of the components of the biosphere and the fundamental principles that underlie the interdependence of the earth's systems, including energy flow and the recycling of matter. Students will consider renewable and non-renewable resources in the context of population dynamics. Discussions of pollution and environmental quality will lead to the study of global change, both natural and human-induced. As we develop our knowledge, we will critically examine environmental issues presented in the news media. This analysis will lead to discussions on the roles of economic forces, cultural and aesthetic considerations, ethics and environmental regulations in shaping our biosphere.

This course may require more than the standard four to five hours of homework per week. **Prerequisite:** one yearlong course in biology and one yearlong course in chemistry. Not open to students who have taken *Biology 410*.

Physics

The physics department offers three levels of a yearlong introductory lab science that could go toward fulfilling the diploma requirement: *Physics 250/0*, *Physics 300/0*, *Physics 550/0* or *Physics 550M/0*. Seven different term contained electives complement the yearlong offerings and can serve toward fulfilling the diploma guideline. The following is a rough breakdown of all students enrolled in physics: about 10 percent are in *Physics 250/0*, 40 percent in *Physics 300/0*, 30 percent in the 500 levels, and the remaining 20 percent enroll in the electives. **Students who wish to take *Physics 250*, typically limited to Uppers and Seniors, must secure permission of the department chair.** The placement into yearlong courses is based mostly on the level of math proficiency, though other factors such as confidence and difficulty of schedule are also considered. Students who are enrolled in or have taken precalculus (*Mathematics 340*) are best served by *Physics 300*. Students have the option, but are not required, to enroll in the AP-level courses if appropriate prerequisites in math have been attained.

PHYS-250/0 Introduction to Physics (a yearlong commitment)

Five class periods. All students who wish to enroll in *Physics 250* must secure written permission from the department chair. Typically, the course is limited to Uppers and Seniors who do not meet the requirement for *Physics 300*. An introductory course in the basic concepts of physics that emphasizes student participation and labwork. For some labs, computer technology helps to produce accurate data. The topics are covered in a less rigorous mathematical way than in *Physics 300*. **Co-requisite:** Registration in at least *Mathematics 210*.

PHYS-300/0 College Physics (a yearlong commitment)

Five class periods. Not open to Juniors, except by permission of the department chair. A non-calculus physics course, including a study of classical mechanics, electricity, magnetism, wave motion, light, relativity and atomic and nuclear physics. Laboratory work is an integral part of the course. The syllabus of this course is appropriate preparation for the College Board SAT II subject test in physics. **Co-requisite:** Registration in at least *Mathematics 340* or permission of the department chair if in *Mathematics 330* in the fall term).

PHYS-320 Classical Mechanics (F)

This course covers the same material as the first trimester of *Physics 300/0*. Upon completion of this course, a student may, with departmental permission, transfer into *Physics 300/0*. Students who have a schedule conflict with *Physics 320* should still sign up for *Physics 320*. They may be placed into a *Physics 300* section and will be permitted to drop after the fall term.

PHYS-340 Cosmology (F-W-S)

Four class periods. Cosmology is the study of the structure and origin of the universe. Topics may include the birth and death of stars, stellar temperatures, magnitudes and distances, the structure and origin of galaxies, the Big Bang, the search for extraterrestrial life, and the possible fate of the universe. Class time will be replaced by one evening observation session in the observatory. (Check Master Calendar each term.) **Prerequisite:** prior completion of or concurrent enrollment in one chemistry or physics course, and registration in at least *Mathematics 340*.

PHYS-350 Physical Geology (S)

Four class periods. A general introduction to physical geology, to include minerals, rocks, measurement of geologic time by radioactivity and fossils, volcanoes, seismology and earth structure, deformation of strata, faults, and plate tectonics. Some of the periods will be used for laboratory work. **Prerequisite:** previous completion of one year of physics or chemistry, and registration in at least *Mathematics 340*.

PHYS-360 Meteorology (W-S)

Four class periods. Meteorology is the study of the atmospheric environment, or weather. Topics may include the structure of the atmosphere, atmospheric energy transfers, optics and moisture, the formation of dew, fog, clouds and precipitation, pressure, forces and wind, storms, forecasting and climate change. **Prerequisite:** Completion of one yearlong chemistry course in addition to either completion of *Physics 320* (or the equivalent) or completion of *Physics 250*.

PHYS-420 Electronics (S)

Four class periods. A course in modern solid state electronics that considers passive circuit elements and their combinations, diodes, transistors and integrated circuits. There will be considerable laboratory work. **Prerequisite:** previous completion of or concurrent enrollment in *Physics 300* and completion of *Mathematics 360*.

ADVANCED PLACEMENT COURSES

These courses (*550*, *550M* and *580/4*) prepare students for one or both parts of the C level AP examination. This AP exam consists of two distinct parts that are graded separately: i) Mechanics, and ii) Electricity and Magnetism. *Physics 550* and *Physics 580* prepare students for both parts, whereas *Physics 550M* prepares students only for the mechanics portion.

PHYS-550/0 Advanced Placement Physics: Mechanics, Electricity and Magnetism (a yearlong commitment)

Five class periods. *Physics 550* prepares students for both i) Mechanics and ii) Electricity and Magnetism of the C level Advanced Placement examination and is a rigorous course that may require more than the standard four to five hours of homework per week. Open to students who will be enrolled in at least *Mathematics 590* and either have not taken any previous physics or have taken a previous physics course but do not qualify for *Physics 580*. Students may sign up for this course with their academic advisers in the spring or may request it on their course registration forms. The department chair may instead suggest enrollment in *Physics 300* or *Physics 550M*.

PHYS-550M Advanced Placement Physics: Mechanics (not offered in 2004-2005)

Five class periods. Open to students who want a rigorous course of introductory physics and prefer to study mechanics in more breadth and depth, instead of covering electricity and magnetism, as is currently done in *Physics 550*. This course prepares students for the mechanics portion of the C level AP examination and may require more than the standard four to five hours of homework per week. **Prerequisite:** same requirements as *Physics 550*, or permission of the department chair.

**PHYS-580/4 Advanced Placement
Physics (T2)**

(a two-term commitment)

Five class periods. This is a rigorous course in mechanics (fall term) and electricity and magnetism (winter term). Calculus will be used as required. This course prepares candidates for the C level Advanced Placement examination in physics and entrance to honors level programs in physics at the university level. This course may require more than the standard four to five hours of homework per week. **Prerequisite:** an honors grade in *Physics 300* or its equivalent and enrollment in at least *Mathematics 590* or its equivalent.

**PHYS-600 Relativity and Quantum
(S) Mechanics**

Four class periods. Relativity and quantum mechanics are two theories that completely revolutionized our thinking about the universe. The course is a survey of the basic ideas underlying these theories. Special mathematical techniques needed for a better understanding of the material are developed in the course. This course may require more than the standard four to five hours of homework per week. **Prerequisites:** completion of *Physics 580* or concurrent enrollment in *Physics 550* and enrollment in at least *Mathematics 590*.

**PHYS-650 Physics Seminar
(W)**

Four class periods. The focus of this course is intermediate mechanics. Topics will vary according to the interests of the instructor and the students. This course may require more than the standard four to five hours of homework per week. **Prerequisite:** completion of *Mathematics 590* and of the fall trimester of *Physics 550* or *Physics 580*, or permission of the instructor.

Philosophy and Religious Studies

The department seeks to initiate students into three distinctive human quests: the search for meaning, the search for justice and the search for the foundations of knowledge. The process of initiation is intended not only to provide an introduction to outstanding literature in the field but also to assist the student in effecting a personal appropriation of the search and in developing the necessary skills for its pursuit. Active class participation is an essential part of this process; hence failed courses usually cannot be made up by examination alone.

The department diploma requirement is successful completion of any one-trimester course; this requirement applies only to those who attend Phillips Academy for three or four years. Four-year students fulfill their requirement in the Lower year. Courses are offered at a variety of levels. All courses involve four class periods.

**PHRE-240 Religious Discoverers
(not offered in 2004-2005)**

**PHRE-300 Asian Religions:
(F-W-S) An Introduction**

Four class periods. Not open to Juniors; priority given to Lower. The aim of this course is to introduce students to religious traditions that originated and flourished in Asia and are practiced by people throughout the world today. Using an approach that is both critical and empathetic, students will explore the fundamental structures of belief, meaning and practice that constitute the traditions of Hinduism, Buddhism, Taoism and Confucianism. In doing so, students will also explore their own essential questions of meaning in dialogue with these traditions. Texts include *The Bhagavad-Gita*, *The Tao Te Ching* and *The Dhammapadam*.

**PHRE-310 Religions of the Book:
(F-S) Judaism, Christianity
 and Islam**

Four class periods. Not open to Juniors; priority given to Lower. This course introduces students to the religious traditions that originated in the Middle East, flourished in and formed the West, and are practiced by people throughout the world today. Using an approach that is both critical and empathetic, students will be intro-

duced to the origins and history of each tradition. They will become acquainted with the fundamental structures of belief and meaning that shaped adherents' lives, the rituals that formed and renewed them, and the social teachings that moved them to action. In doing so, they will learn something about the character of each religious path and about the questions to which we all seek answers.

**PHRE-320 Biblical World Views:
(F-W) An Introduction**

Four class periods. Not open to Juniors; priority given to Lower. Why was the world created? Why are we humans placed on this earth? What are we like? What should we try to achieve in life? How should we treat one another, other creatures, and the planet on which we live? For many centuries the Hebrew Bible (Old Testament) provided for many people a response to such questions. In our day, however, the message has become both distant and increasingly unfamiliar. In this course we shall look at the literary composition and the historical setting of the Hebrew Bible, then read selected passages of biblical narrative and reflection which introduce persons and principles central to the biblical view of the world, its inhabitants and its Creator.

**PHRE-330 The New Testament
(W-S) Perspective**

Four class periods. Not open to Juniors; priority given to Lower. The course will consider, in their cultural and historical context, the person and teaching of Jesus of Nazareth, the development of the early Christian community, and the religious claims of that community concerning the Christ.

**PHRE-340 Introduction to Ethics
(F-W-S)**

Four class periods. Not open to Juniors; priority given to Lower. Students in this discussion course will be introduced to a variety of approaches to ethical reflection. Through the use of classical texts and personal and literary stories, students will develop a common vocabulary with which to understand and critically evaluate their moral experience.

PHRE-360 Proof and Persuasion
(F-W-S)

Four class periods. Not open to Juniors; priority given to Lower. A practical introduction to informal logic and to the philosophical study of language. Some of the questions raised are: What is the difference between a good argument and a poor one? What are the common fallacies of thought? What are the limitations of logic? What are the meaning of "meaning" and the truth about "truth"? The course stresses the development of individual skill in argument and includes a critical examination of the patterns of thought one encounters every day in magazines, in newspapers and on television.

PHRE-370 Views of Human Nature
(F-W-S)

Four class periods. Not open to Juniors; priority given to Lower. A critical examination of selected traditional and contemporary views of human nature with the following questions in mind: Do we have a characteristic nature? What are our basic needs, purposes, rights, obligations and values? To what extent are our actions determined by heredity and instinct? Are we free? Are we responsible for our actions? Do the answers to any of these questions differ for males and females? Given an understanding of human nature, how should we structure society to satisfy our needs and take advantage of our potential? Class discussions and written exercises are designed to encourage participants to develop views of their own against a background of a basic understanding of the readings.

PHRE-420 Responses to the Holocaust
(F)

Four class periods. Open to Uppers and Seniors and to Lower with permission of the instructor. An exploration of the Holocaust through diaries, memoirs, films, works of fiction and later non-fiction reflections on the phenomenon. Questions to be engaged will include: What was it like for the victims? What was it like for the perpetrators? Who were the bystanders? How could it have happened? What elements from Jewish, Christian and secular tradition contributed to its possibility? What inspired and motivated resistance and how were resistance efforts sustained? How have various Jewish, Christian and secular thinkers responded to the challenge of this event? What have been

some of its effects on our own feelings about life and human beings? Texts may include *Night*, *Between Dignity and Despair*, *The Sunflower*, *Tales of the Master Race*, *Ordinary Men*, *The White Rose*. Films may include *Night and Fog*, *One Survivor Remembers*, *Weapons of the Spirit*, *America and the Holocaust*.

PHRE-430 Law and Morality
(F-W-S)

Four class periods. Open to Uppers and Seniors, and to Lower with permission of the instructor. A critical examination of issues that arise out of the relationship between law and morality. Questions of concern include: For what reasons, if any, should an individual obey or disobey the laws of society? Which kinds of governments (monarchy, aristocracy, democracy, etc.), if any, are legitimate? To what degree should society restrict the freedom of individuals through laws on matters like abortion, pornography, race and sexual relations? Class discussions and written exercises are designed to encourage participants to develop views of their own against a background of basic understanding of the readings. These include selections from the works of Plato, Hobbes, Rawls and Martin Luther King Jr.

PHRE-440 Nonviolence in Theory and Practice
(S)

Four class periods. Open to Uppers and Seniors, and to Lower with permission of the instructor. Gandhi and Martin Luther King Jr. are well known figures who successfully applied nonviolence to conflict situations in the 20th century. Is nonviolence still a viable option for us today? In this course we will study Gandhi, King and contemporary practitioners who assert that nonviolence is both a viable and a necessary means of combating all forms of violence, including terrorism. Readings will include works by Gandhi, Bondurant, King, Sharp, the Dalai Lama and other contemporary practitioners.

PHRE-450 In Search of Meaning
(F)

Four class periods. Open to Uppers and Seniors, and to Lower with permission of instructor. Students are strongly encouraged to sign up for *English 572/1* as well. Preference will be given to students who sign up for both courses. The theme of the course is suffering, resistance and hope. The range of human capacity for cruelty and compassion, cowardice and heroism, blindness and vision has marked the 20th century and continues to unfold before us. From South Africa to Bosnia and from China to the United States, experiences of suffering, resistance and hope raise important issues of human responses to political and social oppression. What are the origin, nature and purpose of suffering? What are the sources of individual and collective resistance? Is hope futile in the face of escalating violence? By looking through the multiple lenses of philosophical texts, literature and film at particular global struggles we shall explore these and other questions in a seminar format.

PHRE-460 Bioethics: Medicine
(W)

Four class periods. Open to Uppers and Seniors. Is a physician's confidentiality absolute? When can we experiment on human beings? How should we treat defective newborns? Should the government be telling doctors what they may and may not do? What about the Hippocratic Oath? Who should set the ethical standards for medicine? What is ethics, anyway? Considering these and other questions through case studies, discussion and readings, this course provides a brief introduction to moral philosophy, its application to issues in medicine and medical research, and its role in setting public policy.

PHRE-470 Bioethics: The Environment (S)

Four class periods. Open to Uppers and Seniors. In this course we will investigate a variety of philosophical approaches to the ecological issues confronting us here at the turn of the century. Topics for exploration will be determined by class interest and may include the following: global warming and the Kyoto Accord; population and development; consumption patterns and consequences; animal rights; environmental racism; ecology and economics. Texts may include *Living Downstream*, *The Death of Nature*, *Ecological Literacy* and *Ecological Footprint*.

Each of the following courses may require more than the standard four to five hours per week of homework.

PHRE-500 Existentialism (F-W)

Four class periods. Open to Uppers and Seniors. The term existentialism covers a broad range of attitudes and values joined together by an emphasis on human existence. The authors brought together in its name share a characteristic concern for the problems of meaning, identity and choice that confront men and women in everyday life. The lectures, discussions and readings are designed to help us locate and express these problems as they confront each of us in his or her own life and to assist in understanding and resolving them by drawing on the experiences and insights of the major existentialist thinkers. Readings may include: Nikos Kazantzakis, *Zorba the Greek*; Friedrich Nietzsche, *Thus Spake Zarathustra*; Jean-Paul Sartre, *No Exit* and *Being and Nothingness*; Søren Kierkegaard, *The Sickness unto Death*; Martin Buber, *I and Thou*.

PHRE-510 In Search of Justice (W)

Four class periods. Open to Uppers and Seniors. Through reading, writing and discussion, participants will be encouraged to develop their own views on justice in dialogue with Plato, Mill, Marx and Freire. Questions to be considered include the following: Who or what decides what is just? God? Nature? The powerful? Society? My emotions? The economic system? The oppressed? Is justice relative or absolute? What authorities are invoked to justify various claims? How do you determine what is just and unjust? How is justice defined in contemporary

contexts? The aim of the course is to better equip students to make their own contributions to the ongoing debates regarding what constitutes justice in contemporary society. Toward this end, the final third of the course will be devoted to a class project investigating a contemporary social issue and developing theories of justice in response to the challenges posed. Possible topics include abortion, affirmative action, capital punishment, education, the environment and homelessness.

PHRE-520 Great Philosophers (S)

Four class periods. Open to Uppers and Seniors. Participants in this upper level course in philosophy will explore a single idea and the questions that arise in its elucidation and application. Topics will change from year to year and may include love, globalization, leadership or competition. Important thinkers from a variety of traditions and points of view will be consulted. Final projects will include presentations of the results of individual or group research. The topic for the spring of 2005 will be the nature, worth and future of globalization.

PHRE-530 Advanced Topics in Religion (S)

Four class periods. Open to Uppers and Seniors. This multidisciplinary seminar course will examine differing perspectives on a variety of religious topics. This year the course will focus on Islamic cultural studies, an introduction to modern Islamic influences in a variety of cultural contexts. Areas of focus could include the United States, Indonesia, Kenya, Pakistan, Iran, Central Asia, Turkey and Egypt. In this comparative study, we will give attention to both the unity and diversity of Islam as manifested in contemporary religious, political and cultural expressions in several of the countries named above. Consideration will be given to origins, formative developments and religious thought and practice as well as the influence of Islam on gender and family life, economic structures and modern political conflicts and expressions. The first half of the course will focus on a general introduction to Islam. The second half of the term will be devoted to group projects where students will focus on Islamic cultural studies in one of the chosen countries. This is an advanced course open to Seniors and qualified Uppers. There are no prerequisites.

Physical Education

All three- and four-year students are required to complete *Physical Education 100* by the end of the Lower year.

PHED-100 Physical Education (F-W-S)

Pass/Fail. Limit of 15 students per section. Five class periods per week. The course is designed to provide students with a foundation to make sound decisions and to promote lifetime wellness. Through the use of the pool, ropes course, fitness center and other areas of the athletic complex, the course aims to foster individual development along with group success. One period per week is lecture-discussion, requiring some outside reading or other preparation. If the course is failed, the student will repeat it, in full or in part, during a subsequent term. Lower students will be preassigned.

Psychology

The psychology department offers two elective courses that examine fundamental concepts in the field. Particular emphasis is placed on helping the student explore the interface between psychological knowledge and personal growth. This is accomplished by utilizing teaching strategies that integrate formal academic work with frequent opportunities for student participation and self-exploration.

PSYC-420 Introductory Psychology (F-W-S)

Four class periods for Uppers and Seniors. A survey course designed to introduce the student to the complexity and diversity of psychological inquiry. Emphasis is placed on the application of basic psychological principles to individual experience in order to expand awareness of both self and others. In addition, the broader implications of psychological findings for an integrated understanding of human development and behavior are considered. Topics to be covered may include psychoanalytic, behavioral and humanistic theories of the person, psychosocial, cognitive, moral and early childhood development, human motivation and personality, social behavior, abnormal behavior, and research techniques in psychology. A combination of objective examinations, individualized writing assignments and an end-of-term research project is utilized to evaluate the student's learning. The spring term section of this course offers an optional community service component.

PSYC-430 Developmental Psychology (S)

Four class periods, for Uppers and Seniors. An examination of human growth and development from infancy through adolescence. The role of early experiences and biological factors in later formation of personality and intellectual and motivational behaviors will be considered. Different theoretical perspectives (psychodynamic, social learning and biological) of psychological development will be examined as they relate to developmental milestones. Among the theorists to be studied are Piaget, Erikson, Freud, Gilligan and Bandura. The format of the course includes readings, films, quizzes, written assignments and both group and individual projects. (Dr. Alovsetti)

Theatre and Dance

Only four-year students are subject to a theatre and dance requirement. That requirement is fulfilled exclusively by the *Theatre 200 (Perception and Performance)* course, usually taken in the Lower year. All other courses in the Department of Theatre and Dance are electives, open to the various classes as noted. Courses in theatre are designed for students who wish to explore formally the elements of stage work and to supplement (or substitute for) extracurricular work in productions. A variety of experiences is available: Some courses result in performance or technical projects; some courses study theory; some do both. Theatre students are encouraged, though not required, to supplement their class work by participating in any of the numerous productions mounted each year. All courses in theatre and dance, if failed, cannot be made up by an exam.

THEA-200 Perception & Performance (F-W-S) (one-half course)

Two single class periods and one double period, with one hour of outside class preparation each week. This experiential class will involve students in an exploration of how human beings perceive universal conditions and respond through performance. The course will explore the collaborative process and give students an opportunity to experience and understand a dramatic event. Ritual, character and story will serve as focal points for sections of our discovery while we introduce different theatrical styles and each of the various elements of complete technical theatre. Throughout the course students will be made aware of how the theatre comments on the historic conflicts of an age or reflects the human condition. Focusing on theatre as a performing rather than a literary art, all concepts in the course will be developed through experiential exercises, culminating in a short performance.

THEA-210 Introduction to Acting (F-S)

Four class periods. Open to all classes, this course is designed for students with little or no acting experience. By doing exercises in movement and voice production, reading, improvisation and scenes, a student who is curious about the theatre may determine whether he or she has ability or interest in acting while learning something of the process of characterization, the major responsibility of the actor. The emphasis is on the variety of acting experiences rather than on a polished final product. (Mr. Heelan)

THEA-270 Lighting (W)

Four class periods. The course will introduce the student to the art of lighting design while also providing an opportunity to observe light in nature, art, stage, screen and created environments. The course will allow the individual to gain applied practical understanding regarding the color theory of light, the psychology of color and light, and controllable qualities of light. The design process will be utilized as a method of dramatic interpretation. Artistic expression will be achieved through practical use of lighting instruments, laboratory projects, experiments and school productions when applicable. (Mr. Murray)

THEA-280 Costuming (F)

Four class periods. An introductory exploration into the areas of costume design and costume construction, this course will highlight primary design elements utilized in costume design for the stage and screen, i.e., line, color, tone, texture, movement, mood composition, balance and focus. The course will examine historical period silhouette and the art and craft of the stage costume. Practical experience will be given in areas including construction, flat patterning, draping and fabric manipulation. (Mr. Murray)

THEA-290 Scene Design (S)

Four class periods. This course will introduce the student to the elements that inform the scenic designer's choices (the theme and mood of a script, lines of action, focus, constraints, whimsy) and discuss methods of formulating cohesive, functional and effective design for a show. The student will be introduced to many materials and techniques available to a designer for realizing his or her ideas as a physical prod-

uct. Special attention will be spent on the process of the design concept: collaboration, formulation, presentation, discussion, evaluation and reworking. Students will be graded on both design projects and classroom participation. This is a seminar class that relies upon the open and frank exchange of ideas to stimulate creativity. (Mr. Bacon)

THEA-330 Theatre Theory and History (not offered in 2004-2005)

Four class periods. Open to Seniors and Uppers. Lowerers may enroll with permission of the instructor. We will trace the role of theatre in Western culture from the Greeks to the present American stage, focusing on how important artists broke through theatrical plateaus, creating new forms to communicate with their audiences. The vehicles for our lecture discussion-based journey might include plays and writings by Aeschylus, Shakespeare, Moliere, Strindberg and Miller; designs from the Romans, the Elizabethans, Reinhardt, Craig, Appia and Mielziner; and theorists such as Aristotle, Stanislavsky, Brecht, Beck and the Bread and Puppet Theatre. A major term project will wrap up the course with students' thoughts on how to push beyond present plateaus to re-establish the vitality of theatre for our culture today.

THEA-360 Introduction to Directing (F)

Four class periods. Since directing plays is the most complex of theatrical tasks, this course will focus on methods to unlock the life of a script in the realization of production. Studies will include historic styles and productions, emphasizing their staging. Students will learn the dynamics of floor plans and their effect on blocking, the potentials for lighting and its effect on mood, the importance of rhythm and spectacle and strategies to harness them. While no class on directing can function without including discussion of the actor's craft, this class will only touch on this area, which will be further developed in *Theatre 510*. **Prerequisite:** *Theatre 210, 270, 280 or 290* or permission of the instructor. (Mr. Heelan)

THEA-380 Technical Production: Lighting and Costuming (W-S)

This course meets for three double periods (100 minutes) and one extended period (75 minutes) each week and requires minimal outside preparation. This is a practicum course in which students work on the lighting and/or costumes for faculty-directed dance and theatre productions being produced by the department in that term. Skills learned will depend on the requirements of the particular show. Students who wish to gain knowledge in *scenery construction* techniques are encouraged to enroll in *Theatre 381*. (Mr. Murray)

THEA-381 Scenic Construction (W)

Five class periods. Students learn and practice fundamental theatrical scenic construction techniques. Specific topics covered are shop, stage, and power tool safety; how to read and build from technical drawings; platform and flat construction; doors and windows; safe legging and support techniques; rigging systems; scene painting. In-class instruction is supplemented by readings from *Stage Scenery: Its Construction and Rigging* by A.S. Gillette and J. Michael Gillette, or similar text. (Mr. Bacon)

THEA-400 Dance Theory and History Through Production (F-W)

This topical course will feature each term a different aspect of dance theory, which will be linked to and demonstrated through performance. Students study historical periods, choreographers and the relevance of dance to their culture. Recent topics include Trisha Brown Art and Dance in Dialogue, the image of masculinity in dance, the history of ballet, and the interaction of words and choreography. The total time required for this course (class time plus homework) may exceed the standard nine hours per week. Enrollment in the course will be determined by the instructor; please notify the instructor of interest.

THEA-420 Public Speaking (F-W-S)

Four class periods. The course has a dual objective: to learn how to speak easily in front of others, and to learn how to construct a speech and perform the speech in English. Students give prepared speeches on a variety of topics.

THEA-510 Advanced Acting and Directing Workshop (S)

Four class periods. Enrollment by permission of the instructor. This course, for both the actor and the director, investigates tools to create a character on stage. We will learn to analyze a character and to unlock the toolbox of an actor. Students will take turns between acting and directing scenes after thorough analysis of the material. Course projects will include showing one's work as both actor and director to an actual audience. The total time requirement for this course (class time plus homework) may exceed the standard nine hours per week.

THEA-520/1 Play Production THEA-520/2

Five double periods. By audition only. This course is comprised of the performance of a significant work by an important playwright. Recent choices include *All My Sons*, *Rhinoceros*, *Romeo and Juliet*, *Hamlet* and *The Bells of Amersfoot*. Students will study the text and work with a faculty director to realize the play in full production. While all Lowerers, Uppers and Seniors are eligible, this course is designed as a synthesis experience to apply skills learned in other courses. *Play Production* may be taken as a sixth course only if the student has no grade below a "4" in the previous trimester. Students must be enrolled in *Play Production* in order to participate in any major role. The total time required for this course (class time plus homework) may exceed the standard nine hours per week.

THEA-530 Shakespeare Workshop (S)

Four class periods. Open to Uppers and Seniors. An intensive study of several plays by Shakespeare, with the major emphasis on performance of text. Close attention is given to pronunciation, diction, rhythm, dynamics and interpretation. Students read aloud, act, memorize and perform scenes and soliloquies. This course is offered also as *English 311*, and students will be required to write papers similar to those required by *English 310*. (**Prerequisites** for *English 311* are listed in the English department course description.) (Mr. Heelan)

ENGL-593 Play Writing

See description under *English 593*.

World Languages

Andover's requirement of at least three high school years of an ancient or modern language rests on the firm belief that direct acquaintance, through language, with the spirit and people of other lands is a psychological and intellectual resource of inestimable value for each individual, for every country, and for our common world.

The diploma requirement is normally satisfied by successful completion, in one language, of three trimesters at the 300-level reached through the regular or intensive sequences (100, 200, 300, or 195, 300), or of one trimester of 400-level reached through the accelerated sequence (120, 200, 4XX). In order to encourage students to consider studying a language which may not have been available to them prior to coming to Andover, the World Language Division will also, by petition, allow students to fulfill the requirement by successfully completing a total of three levels in two different languages. This must be done by successfully completing the first or second level of a less commonly taught language (Chinese, German, Greek, Japanese or Russian), with the balance done in another language (typically French, Latin or Spanish).

Placement of new students is based on their previous school record, on the placement test, on the questionnaire sent to them and their current language teachers in the spring, and, when appropriate, on a personal interview with the language chair at Andover. Details regarding various options and the diploma requirement as it is applicable to incoming Uppers and Seniors who begin a new language at Andover are available from the Registrar's Office. Further information may be found in the pamphlet titled *World Languages at Andover*.

Each of our languages, ancient and modern, may appropriately be started by students of any grade, Juniors through Seniors. Most Andover students continue their language study beyond the third year. Some study a second language in addition.

Small classes, flexible placement and opportunities for acceleration assure that each student is in the optimal learning situation. In the case of modern languages, the world language is the language of the classroom. In conversation, in reading and in writing, the goal is direct communication in the world language rather than communication through translation. The classroom experience is expanded by the Language Learning Center, media resources (e.g., periodicals, radio broadcasts, videotapes, movies, computers), the staging of plays, club activities, language events, service learning programs, and programs at Andover or nearby schools. At all levels of instruction, attention is focused both on basic language skills and, increasingly, on the literature, history and various art forms that reveal the people whose languages are being studied. Students are advised to take the College Board SAT II Subject Test in a world language as late as possible in their course of study, and in no case earlier than the second trimester of the third level.

For information on School Year Abroad, students should consult the SYA program coordinator.

Chinese

Chinese, the language used by the most people in the world, serves as one of the five working languages in the United Nations. Knowing Chinese has become a wide-open door to careers in business, law and politics. Although somewhat mysterious to Western eyes and ears, Chinese is no more difficult than any other language to write or speak. With no conjugations, verb tenses or declensions, it has some aspects that make the learning easier.

Mandarin Chinese is the language of instruction. Pinyin is the standard Romanization system for all courses. Simplified characters are taught in most courses. Beginning courses build listening and speaking skills. The skills of reading and writing are also developed. Students have access to tapes, audio-video cassettes and computer software. Opportunities are available for students of Chinese to participate in the five-week study/travel summer program in China and a School Year Abroad program in Beijing, China.

CHIN-100/0 **Beginning Chinese** (a yearlong commitment)

Five class periods. An introduction to modern spoken and written Chinese, stressing pronunciation and aural-oral facility and including the reading and writing of characters.

CHIN-120/5 **Accelerated Beginning Chinese (T2)** (a two-term commitment)

Five class periods. Especially competent students will be recommended by the department for this accelerated course at the conclusion of the first trimester of *Chinese 100*. Upon successful completion of this course, students move on to *Chinese 220/0*.

CHIN-130 **Introduction to Chinese (S)** **Language and Culture**

Five class periods. This is a term-contained introductory course. Students are expected to learn practical dialogue in Chinese, as well as become familiar with Chinese culture, including cooking, festivals and social customs.

CHIN-195 **Intensive First and Second Level Chinese** (not offered in 2004-2005)

CHIN-200/0 Second Level Chinese
(a yearlong commitment)

Five class periods. Continued emphasis on proficiency in typical everyday situations. Essential features of Chinese grammar are introduced. Texts with both characters and Pinyin Romanization are replaced by all-character text.

**CHIN-220/0 Accelerated
Second Level Chinese**
(a yearlong commitment)

Five class periods. Upon successful completion of this course, students move directly to *Chinese 400* by permission of the department.

CHIN-300/0 Third Level Chinese
(a yearlong commitment)

Four class periods. More emphasis on reading and writing. Graded readers are used. Their contents include folk tales, stories, episodes from literary works, biographies and introduction to Chinese history and culture. There are regular written assignments, including longer compositions.

CHIN-400/0 Fourth Level Chinese
(a yearlong commitment)

Four class periods. Readings are selected to stimulate interest in Chinese culture, ancient and modern. Topics in history, literature and current events will serve as the bases for discussions and compositions. Graded readers and simple originals are used.

CHIN-500/1 Stories in Modern Chinese
CHIN-500/2
CHIN-500/3

Four class periods. Extensive Chinese folk stories are used as basic texts. The course focuses upon the study of rhetorical devices and idiomatic usage. The course develops high proficiency in speaking and reading.

**CHIN-520 Communication in
Modern China**
(not offered in 2004-2005)

Four class periods. Chinese news broadcasts, films and segments of Chinese TV programs are studied. Emphasis is placed on students' listening comprehension of and written reflections upon Chinese in real-life communication. Topics in current events are discussed exclusively in Chinese.

Chinese 500 and *Chinese 520* are offered in alternate years. (2004-2005 offering: *Chinese 500*)

French

The French department offers courses at six different levels from beginning through advanced placement and beyond to courses for fluent speakers. At all levels French is the language of the classroom and in all courses it is taught in cultural contexts. The first two years emphasize basic language structures; the third serves as a transition to advanced courses that offer in-depth study of the literature and civilization of France and other French-speaking areas, especially those in Africa and North America. Each year, the academy enrolls French-speaking students from abroad who provide important first-hand contact with Francophone cultures. To enhance a student's language experience, the opportunity to study in Rennes is offered through the School Year Abroad program. Information is available through the SYA program director. There are also various summer programs offered by other institutions. Information on any of these off-campus opportunities can be obtained from the world languages office.

FREN-100/1 First Level French

Five class periods. This course is designed for those students who have had little or no previous world language experience. The course emphasizes listening comprehension and the use of basic conversational patterns of French speech. Elementary grammatical and idiomatic structures are introduced, as well as appropriate reading material. Students make extensive use of video materials both in and out of class. Assignments are regularly required in the Language Learning Center. (Text: *French in Action*, Capretz)

FREN-110/1 First Level French

Five class periods. This course is designed for those students who have had previous experience in French but who are not sufficiently prepared for the second-level course. The course emphasizes listening comprehension and the use of basic conversational patterns of French speech. Elementary grammatical and idiomatic structures are introduced, as well as appropriate reading material. Students make extensive use of video materials both in and out of class. Assignments are regularly required in the Language Learning Center. (Text: *French in Action*, Capretz)

FREN-110/5 First Level French (T2)
(a two-term commitment)

Five class periods. This course is a continuation of the First Level French course for students from both *French 100* and *French 110* in preparation for *French 200* the following year. (Text: *French in Action*, Capretz)

**FREN-120/5 Accelerated
First Level French (T2)**
(a two-term commitment)

Five class periods. Students will be recommended for this accelerated course at the conclusion of the first trimester of *French 100* or *French 110*. Successful completion of *French 120* allows students to advance to *French 220*. The *French 100/110-120-220* sequence covers three years of French in two years. (Text: *French in Action*, Capretz)

FREN-200/0 Second Level French
(a yearlong commitment)

Five class periods. For students who have completed *French 110* or for new students who qualify through a placement test. While continuing to develop aural-oral skills, this course involves reading non-technical French prose and writing simple compositions. (Text: *Par Tout le Monde Francophone*, Herbst, Sturges)

**FREN-220/0 Accelerated
Second Level French**
(a yearlong commitment)

Five class periods. Upon successful completion of this course, students continue their study in fourth-year courses. Because of the rapid pace, each student's progress will be closely evaluated in November to determine whether it is in his or her best interest to move to *French 200*. (Possible texts: *Le Petit Nicolas*, Sempé and Goscinny; *Le Comte de Monte Cristo*, Dumas; *Les Jeux Sont Faits*, Sartre; *Une Fois Pour Toutes*, Sturges, Nielsen, Herbst)

FREN-300/0 Third Level French
(a yearlong commitment)

Four class periods. This yearlong course develops the language skills of listening, speaking, reading and writing through a study of literary, sociological and journalistic texts drawn from the culture of France and the Francophone cultures outside of France. The course stresses important historical events, with emphasis on both art and music, and includes the study of films and televised news broadcasts. Students will assemble a portfolio, thus being able to individualize their interests and linguistic experiences. (Text: *Une fois pour toutes*, Sturges, Neilson, Herbst)

ADVANCED COURSES

FREN-400/1 Advanced Conversation (F)

Four class periods. Intended for students who understand, read and write French well and who already speak at a competent level, but who desire to develop further conversational skills and acquire the vocabulary and idiomatic expression necessary to be able to discuss major cultural and social issues. The course is based on current articles taken directly from the French and Francophone press. The students also read further, develop their own points of view, and keep a journal about current social trends and problems. Diction, elocution and intonation are also stressed through debates and role-playing.

FREN-400/2 The Francophone World (W)

Four class periods. Students continue the study of French through a focus on the French speaking areas outside of France. The course studies the civilizations of North, West and Sub-Saharan Africa and of the Antilles and includes a study of the geographical, social and historical aspects of these regions of the world.

FREN-400/3 The Francophone Presence (S) in the USA

Four class periods. A study of the immigration patterns and the cultures of Haitians and Francophone Asians in the United States with special attention to the Francophone communities in Lawrence and Lowell, Mass. This service-learning course will consist of two classes on campus and one double-period class per week working with the Francophone communities in our neighboring cities. In addition to writing daily in a journal, students will be expected to present a final project documenting a case study or a particular topic of the course. **Prerequisite:** enrollment in *French 400* for the winter term.

FREN-420/0 French Literature (a yearlong commitment)

Four class periods. A transition from the use of reading as a means of learning the language to the use of language as a means of understanding literature. Vocabulary expansion, increased oral fluency and written accuracy are developed within the context of literary analysis. Readings

have recently included *L'Étranger*, Camus; *Le Colonel Chabert*, Balzac; *Rhinocéros*, Ionesco; *La Femme Cachée*, Colette; *Nouvelles Orientales*, Yourcenar; *Boule de Suif*, de Maupassant; and the introduction to *Le Deuxième Sexe*, de Beauvoir. Students also see French movies that relate to the themes of the course. Students successfully completing this course are encouraged to take *French 520*.

FREN-450/1 History of France: (F) 1610-1815

Four class periods. This course will explore the creation of unified France from the beginning of the reign of Louis XIII through the end of the First Empire. Emphasis will be on the final consolidation of power under Louis XIV, the succeeding years, the tumultuous years of the French Revolution, and the First Empire under Napoleon Ier. Emphasis will be placed not only on historical events, but on their influence on the French art, music and architecture of the time.

FREN-460/2 History of France: (W) 1815-1945

Four class periods. This course will focus on the history and culture of France from the defeat of Napoleon Ier until the end of World War I, with emphasis on the prolonged struggle to institute democracy, the development as an industrialized nation with pressures for social reform, and France's grandeur as a colonial power and as a center for the arts. Particular attention will be paid to the study of French impressionism and the other dominant schools of art, literature and music.

FREN-470/3 Contemporary French (S) Civilization

Four class periods. This course deals with aspects of contemporary French civilization such as the family, the school system, politics, gender roles, art and popular culture. The emphasis is on learning about culture comparatively through the discussion of articles, films and comic strips. The course includes research on the Web and e-mail with French students.

FREN-500/1 Advanced Placement FREN-500/2 Language FREN 500/3

Five class periods. Designed to meet the requirements of the Advanced Placement examination in French Language, this course is open to students who have completed three terms of fourth level French and to qualified new students. Emphasis is placed on vocabulary, grammar, conversation, composition and reading, not only in literature, but also in current newspapers and periodicals. The choice of texts is generally determined by the class and the instructor.

FREN-520/0 Advanced Placement Literature (a yearlong commitment)

Five class periods. Open with departmental permission to students who have completed three terms of fourth level French and to others who are properly qualified. Primarily a seminar in which students share their interpretations of works studied in class discussions and oral exposes, the course also includes lectures and instruction in *explication de textes*. Preparation for the Advanced Placement Examination in French Literature includes the close reading of texts such as *Fables*, La Fontaine; *L'École des Femmes*, Molière; *Candide*, Voltaire; *Pierre et Jean*, de Maupassant; *La Guerre de Troie n'aura pas lieu*, Giraudoux; *L'Enfant Noir*, Camara; and the poetry of Labé, Ronsard, Baudelaire, Apollinaire and Hebert. This course may require more than the standard four to five hours per week of homework.

FREN-600/1 Modern Literature FREN-600/2 FREN-600/3

Two two-hour class periods. A seminar course open to students who have completed 500-level French or the equivalent. The course studies modern novels, plays, poetry and films. The student may write and/or perform a play. The books studied may include *La Peste*, Camus; *Un Amour de Swann*, Proust; *La Vie devant soi*, Ajar; *La P... respectueuse*, Sartre; *Coq de Bruyère*, Tournier; and *La Civilisation, ma Mère*, Chraïbi. Films recently studied include *Diabolique*, Mennace; *Rouge*, Kieslowski; and *Manon des Sources*, Pagnol.

German

The razing of the Berlin Wall and the reuniting of the two Germanys under the flag of the Federal Republic, America's pivotal European ally and Europe's leading economic power, add compellingly to the reasons for learning German. As the sole Germanic language taught at the academy, German provides unique insights into the Anglo-Saxon roots of English, its sibling. The department offers a five-year course of study in reading, writing and speaking German in preparation for both the College Board SAT II Subject Test and Advanced Placement examinations. Videotapes, computerized drills and state-of-the-art language laboratory materials supplement language immersion in the classroom. Participation in the American Association of Teachers of German national prize examination and competition against nearby schools in the German-speaking Olympiade enliven the learning process and create additional opportunities to excel. In addition, the department facilitates participation in a variety of summer immersion programs in Germany.

GERM-100/0 First Level German (a yearlong commitment)

Five class periods. A yearlong elementary course in speaking, listening, reading and writing. Current text: *Deutsch Aktuell 1*, Kraft; supplemented by workbook, Language Learning Center tapes, video, contemporary films and computer exercises.

GERM-195/0 First and Second Level, Intensive (a yearlong commitment)

Five class periods. Open primarily to Uppers and Seniors, but also to Juniors and Lower with permission from the department chair. An accelerated course recommended especially for students who wish to begin a second language or who possess strong language-learning skills, this course covers two years of German in one and may require more than the standard four to five hours per week of homework. Current text: *Deutsch Aktuell 1 and 2*, Kraft; supplemented by workbook, Language Learning Center tapes, contemporary films and computer exercises.

GERM-200/0 Second Level German (a yearlong commitment)

Five class periods. The study of basic grammar and conversation is continued, along with the introduction of short stories and theme writing. Texts: *Deutsch Aktuell 2*, Kraft; *Die Weiße Rose*, Scholl, and/or *Emil und die Detektive*, Kästner.

GERM-300/0 Third Level German (a yearlong commitment)

Four class periods. This course emphasizes review, reading and listening comprehension, expansion of vocabulary and written and oral expression in preparation for the College Board Subject Test. Current texts: *German in Review*, Sparks and Vail; selected works by Dürrenmatt; *Biedermann und die Brandstifter*, Frisch; works by Kafka; selected short stories, tapes, poems and contemporary films.

GERM-400/1 Advanced German **GERM-400/2** **GERM-400/3**

Four class periods. A continuation of the reading, listening, writing and speaking skills covered in third level German. Students are exposed to a variety of German literary works across different time periods, including poems, plays, short stories and novels. Selective review of advanced grammar topics is incorporated. Authors currently read: Brecht, Dürrenmatt, Kafka, Rilke, Schlink and Eichendorff.

GERM-420/0 Advanced Placement German (a yearlong commitment)

Five class periods. A continuation of the reading, listening, writing and speaking skills covered in third-level German as well as preparation for the Advanced Placement German language test. Students are exposed to a variety of German literary works across different time periods, including poems, plays, short stories and novels. Selective review of advanced grammar topics is incorporated. Authors currently read: Brecht, Dürrenmatt, Kafka, Rilke, Schlink and Zweig. Cultural events and cultural issues are used to expand reading, listening and speaking proficiency. This course may require more than the usual four-to-five hours per week of homework.

GERM-500/1 Fifth Level German **GERM-500/2** **GERM-500/3**

Four class periods. Open to students who have successfully completed three terms of fourth level German or its equivalent, this course varies with the needs of the class. It is usually a seminar in the analytical reading and discussion of German classics, as well as the finer points of German culture, dialects, politics and humor. Frequent writing of greater length is expected. A major term paper in German replaces the final exam. Authors currently read: Brecht, Goethe, Hesse, Kafka, Kleist, Kunze, Lenz, Lessing, Mann and Wolf.

Greek

Through the study of Greek, the Department of Classics offers students a direct entry into Greek literature. The Greek alphabet is easily mastered in the first few class meetings, and students quickly discover that the poetic and expressive qualities of Greek language and literature stimulate the imagination and illuminate the early political and intellectual development of the Mediterranean basin. The regular sequence in Greek is *Greek 100*, *200*, *300* and *400*, though students wishing to accelerate may want to consider *Greek 195* followed by *Greek 300*, with the permission of the department.

GREK-100/0 Greek, First Level (a yearlong commitment)

Five class periods. The course introduces the student directly to the classical Greek of Periclean Athens through a series of readings that present not only the vocabulary, forms and syntax of the language, but also the thoughts, feelings and actions that characterize Greek culture. Though preliminary selections are necessarily simplified, within the first year students are reading excerpts in their original form from various Greek authors.

GREK-195/0 Greek, First and Second Level, Intensive (a yearlong commitment)

Five class periods. The course is open to Seniors, Uppers and others with the permission of the department. It covers in one year the essential material of *Greek 100* and *Greek 200*, basic forms and structure, along with ample selected readings from various Greek authors.

GREK-130 Introduction to Greek (F)

Four class periods. The course is for students whose curiosity for the Greek language and literature has been aroused by their studies in other areas. For students who plan some day to study Russian or German, this course provides an excellent introduction into the intricacies of a highly inflected language. The student is also treated to an inside preview of a literature that, over the centuries, has provided inspiration and models for the literature of the Western World. It is a term-contained course, but students wishing to continue with Greek will have the opportunity to do so.

GREK-200/0 Greek, Second Level (a yearlong commitment)

Five class periods. The course continues the format of *Greek 100*, with further systematic development of reading skills and control of vocabulary, forms and syntax through the medium of more advanced selections from the Greek masterpieces, always with the purpose of understanding the spirit of the people who produced them.

GREK-300/0 Greek, Third Level: Iliad and Odyssey (a yearlong commitment)

Four class periods. Students will study selected works of Homer and Herodotus and a play of Euripides or Sophocles. Students examine the nature of tragedy, heroism and self-discovery.

GREK-400/1 Greek, Fourth Level: GREK-400/2 Philosophy and History, GREK-400/3 Tragedy, Lyric

Four class periods. Ancient concepts of justice and morality are examined through the works of Plato and Thucydides. Human tragedy is explored in a play of Sophocles or Euripides. One term is devoted to the study of emotion and self-expression in the Greek lyric poets.

Japanese

JAPA-100/0 Japanese, First Level (a yearlong commitment)

Five class periods. Open to Juniors, Lower and Uppers, Seniors may take the course only with permission of the instructor and the division chair. Students will immerse themselves in the world of Japanese language and culture. They will learn to express themselves in a variety of conversational situations and to read and write in *katakana*, *hiragana* and about 150 *kanji*, or Chinese characters. Classroom instruction will be based on *Minna No Nihongo I*, a text in Japanese, supplemented by *karaoke* songs, listening tapes, animated films and other video materials, visits by Japanese-speaking guests, and materials developed by the instructor.

JAPA-130 Introduction to Japanese (S)

Four class periods. This course is designed for students who are thinking of traveling to Japan and/or studying Japanese as a second language at Andover or in college. In addition to developing survival-level speaking skills, students will learn to read and write using *katakana*, *hiragana* and 50-75 *kanji*, or Chinese characters. Students will also sing and perform short skits, and follow at least one popular animated film in Japanese. Selections from the textbook *Minna No Nihongo I*, *karaoke* songs, audio and video tapes, visits by Japanese-speaking guests, and materials developed by the instructor will support classroom instruction. In the last weeks of the course, students will research a social, cultural or historical topic in which they are personally interested and then present it to their classmates.

JAPA-200/0 Japanese, Second Level (a yearlong commitment)

Five class periods. Open to students who have successfully completed first-level Japanese or its equivalent. A continuation of *Japanese 100*, with increased emphasis on grammar and *kanji*. Students will complete all chapters in *Minna No Nihongo I*.

JAPA-300/0 **Japanese, Third Level**
(a yearlong commitment)

Four class periods. Open to students who have successfully completed second-level Japanese or its equivalent. This course is designed to help students to solidify their fundamental skills in Japanese and begin to apply them toward creative expression and comprehension of authentic materials. Students will study with the text *Minna No Nihongo II* and also with movies, news reports, newspaper articles, *manga*, or comic books, and materials developed by the instructor.

JAPA-400/0 **Japanese, Fourth Level**
(a yearlong commitment)

Four class periods. Open to students who have successfully completed third-level Japanese or its equivalent, this course continues the work of *Japanese 300*, in which students build from basic skills into areas such as creative expression and comprehension of authentic materials. As a capstone experience in the spring term, students will undertake individual research projects in which they will utilize library, Internet, human and other resources to gather information on topics of their choosing and present them to their classmates.

JAPA-500/1 **Japanese 500**
JAPA-500/2
JAPA-500/3

Four class periods. The course focuses on the development of additional *kanji* and on vocabulary expansion through the study of Japanese newspapers, short stories and a feature-length film. Emphasis is placed on students' listening comprehension and speaking proficiency. **Prerequisite:** A successful completion of *Japanese 400* and/or the approval of the instructor.

Latin

The Department of Classics offers students a direct entry into the traditional Latin literary curriculum while at the same time providing students with an opportunity to develop a more sophisticated historical and international perspective. Whenever possible, traditional language study is supplemented with readings in English that address both ancient and modern cultural concerns.

LATN-100/0 **Latin, First Level**
(a yearlong commitment)

Five class periods. The purpose of the course is to teach students the basic features of the Latin language and of Roman culture in relation to other cultures, e.g., family life and societal relationships, slavery, travel, sports, life in the big city, entertainment and education. Students learn the traditional forms and syntax. All six tenses, indicative and passive, are covered, as well as all five declensions of nouns, three declensions of adjectives and the standard pronouns. There is extensive practice in recognizing endings of nouns, adjectives, pronouns and verbs, also case uses and normal Latin sentence structures, with the goal of mastering basic techniques of accurate translation and comprehension of Latin sentences and stories. Students complete the first year Jenney text and the second year Jenney text up through the ablative absolute.

LATN-130 **Introduction to Latin**
(F-S)

Five class periods. Comparable to the first term of *Latin 195* but with less depth of coverage, this one-term course is for students seeking an introduction to the Latin language or those whose studies in other languages (including English) have aroused their curiosity about the workings of languages (grammar, syntax and vocabulary). It offers special profit and fascination to students of French, Spanish and Italian, since it gives a wider perspective on much of what they already know. For students who plan some day to study Russian or German, it serves as an introduction to the workings of highly inflected languages. It is a term-contained course, but students wishing to continue with Latin will have the opportunity to do so.

LATN-195/0 **Latin, First and Second Level, Intensive**
(a yearlong commitment)

Five prepared class periods. This course covers in one year the essential elements of *Latin 100* and *Latin 200*.

LATN-200/0 **Latin, Second Level**
(a yearlong commitment)

Five prepared class periods. During the fall, the linguistic and cultural approach of *Latin 100* is continued as the class reviews and completes the basic grammar (including participles, subjunctives and indirect statements) and reads about other aspects of Roman life. Following themes of myth and early Roman legend, the winter term gives students a chance to apply their new-found skills in reading *Fabulae Graecae*, a series of mythological stories designed to review and consolidate students' knowledge of Latin in preparation for reading genuine Roman authors in the spring, i.e., Apuleius' account of Cupid and Psyche, Ovid's myths and selected prose passages from historians like Livy and Caesar.

LATN-300/0 **Latin, Third Level: Livy, Catullus, Cicero, Vergil**
(a yearlong commitment)

Four prepared classes, all single periods. Students begin the fall with a thorough review of the Latin language in conjunction with correlated reading passages. In the latter half of the fall, students read Livy's historical account of the rape of Lucretia, previewing the roles of class, power and gender in Roman history. In the winter, students read the lyric love poetry of Catullus and selections from Cicero's speech *Pro Caelio*, defending one of Catullus' former friends against charges brought by the woman to whom Catullus wrote his most famous poems. In the spring, students read selections from Book II of Vergil's *Aeneid*, the story of the Trojan Horse and the destruction of Troy, a heroic backdrop for very human struggles of duty and loyalty among women and men, parents and children, leaders and followers, humans and their gods.

ADVANCED COURSES

Latin 520V (AP Vergil) and *Latin 520L* (AP Lyric, Horace and Catullus) are open to students who have completed *Latin 300* and have met other criteria set by the Classics Department. Although students normally read Vergil (*Latin 520V*) the year after taking *Latin 300* and Latin lyric (Horace and Catullus,

Latin 520I the year after reading Vergil, students completing *Latin 300* may sign up for *Latin 520I* on a space available basis, preference being given first to all completing *Latin 520V*, then to Upper Middlers completing *Latin 300* with honor grades, then to others at the discretion of the Classics Department. Students may not switch between *Latin 520V* and *520I* during the year.

LATN-520V/0 Advanced Placement Latin: Vergil

(a yearlong commitment)

Five prepared class periods. This course prepares students for the Advanced Placement exam in Vergil. Students read the entire *Aeneid* in English and abridged selections of Books I, IV, and VI in Latin, examining Vergil's literary form and technique as well as the philosophical and political dimensions of his age. Book II, which students will have read in the spring of *Latin 300*, is reviewed quickly. Book I frames Rome's 1,000-year ascendancy in the rivalries of divine wills. Book IV tells the story of the tragic conflict between Aeneas' love for Queen Dido and his obligation to imperial Roman destiny. Book VI features Aeneas' descent into the underworld to gain prophetic visions of Rome's future greatness. Brief selections from Books VII–XII, the "Roman Iliad," round out the readings for the year. **Prerequisite:** a grade of "5" or higher in *Latin 300* or permission of the department.

**LATN-520I/1 Advanced Placement Latin:
LATN-520I/2 Horace, Catullus
LATN-520I/3**

Four prepared class periods. This course prepares students for the Advanced Placement exam in Horace and Catullus, the logical sequel to the Vergil AP course.

In the fall, they come face to face with the brilliance, passion and candor of Catullus' lyric genius. In the spring, students learn to compare and contrast these two monumental literary figures, at the same time reviewing for the Advanced Placement exam. In the winter term, students study the lyric poetry of Horace, experiencing firsthand his *curiosa felicitas*, admired and celebrated by other poets for 2,000 years. **Prerequisite:** a grade of "5" or higher in *Latin 300* or permission of the department.

Russian

With the demise of the Soviet Union and resulting rapid expansion in East-West activity, the ability to communicate in Russian and knowledge of Russian culture have lost none of their importance. As the world enters the 21st century, there are more contacts now with Russia and countries of the former Soviet Union than ever before. Not only are American business, science and technology clamoring for Russian speakers to work in and with the new Russia, but Russian remains the *lingua franca* in all the former Soviet republics, making it extremely important now for national security reasons as well.

Before studying Russian, many consider it strange and difficult, but its alphabet and vocabulary have the same sources as English, and it follows many of the same principles of grammar. Continuous oral, visual and instructional use quickly make Russian familiar and enjoyable.

The Russian department offers a five-year course of study. This well-established program ensures confident progress in speaking, aural comprehension, reading and writing. Elementary courses use computer drills and presentations to strengthen grammar skills and improve vocabulary learning. At the upper levels, students use Russian word processors for their compositions and the Web for research and course work. Video is used throughout to improve understanding of culture as well as language. Students who have had success in another world language or who have some prior experience with Russian are encouraged to consider taking *Russian 195*. It is the policy of the department to use Russian exclusively in the classroom.

RUSS-100/0 Introduction to Contemporary Russian
(a yearlong commitment)

Five class periods. A yearlong elementary course in speaking, listening, reading and writing. Texts, materials on CD developed by the department, reference materials.

RUSS-130 A Short Course in Beginning Russian
(S)

Four class periods. A term-contained introduction to speaking, reading and writing Russian, using conversational text materials, this course enables students to feel comfortable with the somewhat different features of a Slavic language. It also gives a sound foundation for continuing courses in Russian language, history and literature, whether at Andover or in college.

RUSS-195/0 Intensive Contemporary Russian
(a yearlong commitment)

Five class periods. Open primarily to Seniors and Uppers, but also to Lower and Juniors with special permission. A yearlong accelerated introductory course covering two years in one, it is especially recommended for students who wish to begin a second language or who possess strong language skills. Successful completion of *Russian 195* enables students to enter *Russian 300*, thereby completing the world language requirement in two years. Texts: The same as those of *Russian 100* and *Russian 200*. This course may require more than the standard four to five hours per week of homework.

RUSS-200/0 Intermediate Contemporary Russian
(a yearlong commitment)

Five class periods. Completion of the elementary course with continued emphasis on active use. Texts: materials on CD developed by the department; reference materials. **Prerequisite:** successful completion of *Russian 100*.

RUSS-300/0 Third Level Russian
(a yearlong commitment)

Four class periods. Students will improve conversation and composition skills through work with selected 19th and 20th century short stories and with video materials. A review of problematic areas of grammar is integrated into the course. Work with video and audio materials in the Language Learning Center constitutes an important component of the course. **Prerequisite:** successful completion of *Russian 195* or *Russian 200*.

**RUSS-400/1 Fourth Level Russian
RUSS-400/2
RUSS-400/3**

Four class periods. Further work in conversation and composition. Over the course of the year, there is a transition from texts that are lightly adapted to texts in the original. The focus of materials in the winter and spring terms is the 20th century. The winter term is devoted to a single text; fall and spring terms examine shorter texts and video materials. Work with video and audio materials in the Language Learning Center constitutes an important component of the course. **Prerequisite:** successful completion of *Russian 300*.

RUSS-420/0 **Intensive
Fourth Level Russian**
(a yearlong commitment)

Five class periods. The core materials of the course are identical to those used in *Fourth Level Russian*. In addition, however, one of the five weekly meetings will be devoted to proficiency-oriented topics. This course may require more than the standard four to five hours of homework per week. **Prerequisite:** successful completion of *Russian 300*.

RUSS-500 **Fifth Level Russian**
(not offered in 2003-2004)

Four class periods. A central goal of this course is to provide students with an overview of the major themes and developments in the last two centuries of Russian literature. Students will be expected to integrate this knowledge into the base they have acquired in their previous Russian study. At the same time, students will work to improve their ability to diagnose their own language-learning strengths and weaknesses, and, where relevant, to plan their approach to the continued study of Russian at the college level. **Prerequisite:** successful completion of *Russian 400/3* or *Russian 420*.

Spanish

The Spanish department offers a six-year course of study. Students who demonstrate unusual ability and interest during the first year are invited to join an accelerated sequence. The language of the classroom is Spanish, and extensive use is made of the Language Learning Center. Students learn to understand, speak, read and write the language, and also are given a comprehensive introduction to the literature and culture of Spain and Latin America. To enhance a student's language experience, the opportunity to study in Zaragoza is offered through the School Year Abroad program. Information is available through the SYA program director. Upon completion of any fourth level course sequence or combination, a student will be prepared to take the AP language exam.

SPAN-100/1 **First Level Spanish**

Five class periods. This course is designed for those students who have had no previous world language experience. The course emphasizes listening comprehension and the use of basic conversational patterns of Spanish speech. Elementary grammatical and idiomatic structures are introduced, as well as appropriate reading material. Students make extensive use of video materials both in and out of class. Assignments are regularly required in the Language Learning Center. All classwork is conducted in Spanish. (Text: *Destinos*, Van Patten et al.)

SPAN-110/1 **First Level Spanish**

Five class periods. This course is designed for those students who have had previous experience in Spanish but who are not sufficiently prepared for the second-level course. The course emphasizes listening comprehension and the use of basic conversational patterns of Spanish speech. Elementary grammatical and idiomatic structures are introduced, as well as appropriate reading material. Students make extensive use of video materials both in and out of class. Assignments are regularly required in the Language Learning Center. All classwork is conducted in Spanish. (Text: *Destinos*, Van Patten et al.)

SPAN-110/5 **First Level Spanish (T2)**
(a two-term commitment)

Five class periods. This course is a continuation of the first-level Spanish course for those students not enrolled in *Spanish 120* (Accelerated First Level Spanish). (Text: *Destinos*, Van Patten et al.)

SPAN-120/5 **Accelerated
First Level Spanish (T2)**
(a two-term commitment)

Five class periods. Especially competent students will be recommended for this accelerated course at the conclusion of *Spanish 100/1* or *Spanish 110/1*. Superior work in *Spanish 120* enables recommended students to enter *Spanish 220*. *Destinos*, a video-based program, serves as the primary text (see above) and is supplemented with reading selections and proficiency-oriented exercises.

SPAN-200/0 **Second Level Spanish**
(a yearlong commitment)

Five class periods. After a review of the *Destinos* material covered in the first level (lessons 1-26), students complete the program (lessons 27-52). Emphasis is placed on oral practice and control of essential grammar. Writing and reading skills are further developed. Extensive study of Mexico. In the spring, emphasis is on reading and writing, with texts chosen from short plays and/or short stories.

SPAN-220/0 **Accelerated
Second Level Spanish**
(a yearlong commitment)

Five class periods. This is an accelerated second-year course that develops communicative competence and provides intensive reading and writing practice. The *Destinos* program is used as a video supplement to written course materials. Students normally must maintain an honors grade to remain in this course. It enables honors students, upon departmental recommendation, to enroll in a fourth level course. Open to students who have completed *Spanish 120* with distinction and to other qualified students with departmental permission.

SPAN-250 **Spanish for the Bilingual
(F)**

Five class periods. Designed for students with strong oral skills (native or near-native) who have not had any formal training in Spanish grammar. A strong emphasis on writing skills (spelling, grammar and composition) is supplemented by reading selections from periodicals, newspapers and works by Spanish and Latin American writers. This course enables students to enroll in *Spanish 220* or *Spanish 300*, at the discretion of the department. **Prerequisite:** interview with the department chair.

SPAN-300/0 Third Level Spanish
(a yearlong commitment)

Four class periods. During the fall term, a thorough review of grammatical structures is provided in both oral and written formats. Weekly compositions and oral reports on current events, controversial issues and topics of particular interest to the community are supplemented by regularly scheduled sessions at the language laboratory. The primary objective of the winter term is to expose students to a challenging and sophisticated literary text *El Coronel No Tiene Quien le Escriba* (*No One Writes to the Colonel*) by G. Garcia Marquez while enforcing their structural skills and communicative competence through a series of grammar, vocabulary and comprehension exercises based on the novel. In the spring, students read *Las Bucleas Son Para el Verano* (*Bicycles Are for Summer*), a play about the Spanish Civil War by a contemporary Spanish playwright, and perform selected scenes from this work.

ADVANCED COURSES

**SPAN-400/1 Current Events and
Multimedia Approaches to
the Hispanic World**

FALL TERM—This course is designed to expand and refine speaking, reading and writing skills in Spanish through a focus on current events. Students subscribe to the weekly international edition of *El País*, one of Spain's leading newspapers, and access online information from other news sources in the Spanish-speaking world. Articles are used as a basis for class discussion, oral presentation and written work. Where possible and appropriate, taped newscasts from *Scola* supplement the study of news topics. Students produce a newscast on video during the course of the term.

WINTER TERM—An in-depth study of contemporary cultural topics, such as education, immigration, use and abuse of alcohol and drugs, gender issues, etc. Students are exposed to a variety of authentic and sophisticated sources of the language through the use of newspaper and magazine articles and other printed and online material, digitized programs, video and film. The course involves reading, discussion, writing and an ongoing grammar review. *Spanish 400/2* is a prerequisite for *Spanish 430*.

**SPAN-420/1 Readings in Contemporary
SPAN-420/2 Spanish and Spanish-
SPAN-420/3 American Literature**

Four class periods. Each trimester, the class aims to develop all language skills through reading, discussion, oral presentations and regular writing assignments.

FALL TERM—In the fall, a novel by contemporary Spanish author Carmen Laforet or Miguel Delibes or Camilo José Cela is closely examined.

WINTER TERM—In the winter, the focus is modern and contemporary Spanish and Spanish American drama. There is a dramatic performance at the end of the trimester in lieu of a final exam.

SPRING TERM—In the spring, students read *Como agua para chocolate*, a novel set during the Mexican Revolution.

**SPAN-430 The Hispanic Presence in
(S) the USA**

A study of the immigration patterns and the adjustment process of Hispanics in the United States with special focus on the Hispanic community in Lawrence, Mass., this service-learning course will consist of three classes on campus and one class per week tutoring adults at the Lawrence Family Development Charter School. Students will continue to refine their Spanish language skills while working with and learning from local Hispanic immigrants involved in the naturalization process. Film, video, printed material, personal accounts and literature will complement the experiential learning of this course. In addition to writing daily, students will be expected to present a final project documenting a case study or a particular topic of the course. **Prerequisite:** completion of *Spanish 400/2*. Limited enrollment.

**SPAN-500/1 Current Issues in the
Spanish-Speaking World**

Four class periods. Current articles from the periodicals *Cambio 16* and *Visión*—similar in content and format to *Time* magazine—provide the context for the review and practice of the more complex structures of the language and for vocabulary expansion. In addition to writing assignments based on the articles, students are evaluated on their aural comprehension and oral proficiency once a week in the Language Learning Center. In the last two weeks of the term the focus shifts to a contemporary film from Spain or Latin America as a

basis for (a) the mastery of colloquial speech patterning and current idiomatic expressions and (b) the analysis of social and/or political issues in the Spanish-speaking world.

SPAN-500/2 Film and Narrative

Four class periods. Through a series of short stories, films, videotaped scenes and a novel, this course focuses on childhood perceptions of the adult world in different areas of the Hispanic world. The universal aspects of childhood—those that transcend cultural or geographical boundaries—and those experiences that stem from specific child raising practices or societal attitudes toward the child are explored through a series of analytical and creative writing assignments. Role playing and oral/aural exercises in the Language Learning Center complement these assignments. **Prerequisite:** enrollment in the fall trimester of *Spanish 500*, or permission of the chair of the Spanish department.

**SPAN-520/0 Advanced Placement
Course in Literature**
(a yearlong commitment)

Four class periods. This course emphasizes discussion and analysis of literary works in the classroom and frequent written assignments. It prepares the student for the AP examination in Spanish literature. This course may require more than the standard four to five hours per week of homework. Students are expected to take the AP literature exam in May.

**SPAN-530 Advanced Spanish
(S) Language in the
Lawrence Community**

In partnership with the Lawrence Family Development Charter School, this course focuses on the reading and writing skills of fourth-graders preparing for the *Aprénda* exam in Spanish. Phillips Academy students meet three times per week—twice in Lawrence for one-hour tutoring sessions, and once on campus to prepare their lesson plans and grade their tutees' homework. A research paper is required. Limited enrollment. **Prerequisite:** enrollment in a fifth-level Spanish course in the previous two trimesters, or permission of the department chair.

See also *Latin American Studies (HIST-55535)*, listed under History and Social Sciences.



